

SOFTWARE ESSENTIALS

SOFTWARE ESSENTIALS

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SOFTWARES

SOFTWARE

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A Collection of Essential Software for the 1990's!

**A
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HOW TO USE THIS BOOK

Looking for a certain kind of software?

If you are interested in a particular application, entertainment for instance, just turn to the Subject Category Index at the beginning of this directory. Scan the subjects until you find what you are looking for. On the pages indicated, entertainment programs will be listed alphabetically by title.

Want to comparison shop?

Once you've located your subject, review the software descriptions on the Product Information pages. For each program you'll find the program title, complete description, retail price, publisher name, system requirements, medium and memory. These details will allow you to compare packages and find one that best suits your interest.

Searching for a specific package?

If you know the name of the package that you want, just turn to the Product Index on page 517. Scan the alphabetical listing for the software title and it's page number.

Only know the publisher?

If you have a particular software company in mind, check the Publisher Index on page 538. This index lists all publishers in the catalog in alphabetical order.

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103 PRODUCTIVITY/ACCOUNTING - GENERAL LEDGER

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**ACCPAC EASY GENERAL ACCOUNTING (VER. 1.0)****ISPN 74700-230**

Combines a complete general ledger with after-the-fact payroll record keeping and the ability to track vendors and customers.

Provides a full function general ledger with a flexible Chart of Accounts. Allows up to 13 user-defined accounting periods, four open periods, six checking accounts and an 8,000 account capacity with 2,000 accounts per ledger. Provides six special journals for recording transactions such as cash disbursements, cash receipts and invoices. Includes the ability to store addresses for vendors, customers and employees and do budget comparisons. Provides a comprehensive selection of financial reports and allows the export of data to SuperCalc and Lotus 1-2-3. Includes automatic posting to ledgers and check writing. Supplies all the information for financial reports required by banks, insurance companies and the government.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

320K

PRICE

\$89.00

*Requirements: Two disk drives or hard disk.***COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS****ACCPAC PLUS GENERAL LEDGER AND
FINANCIAL REPORTER****ISPN 74700-135**

Automates the entire bookkeeping process, from posting of individual transactions to producing daily income statements.

ACCPAC PLUS GENERAL LEDGER AND FINANCIAL REPORTER includes a user-defined chart of accounts that allows you to tailor your accounts to meet the specific needs of your business. Provides clear, concise audit trails with mandatory printing of all transactions. Extensive error protection includes data entry verification, no unbalanced posting, no posting to undefined accounts and clear error and action messages. Report formatting capabilities are virtually unlimited (balance sheets, income statements, expense schedules, changes in financial position). Maintains up to six months of historical results and 13 months of budget data which provides the basis for sophisticated financial analysis. Offers automatic year-end closing to aid in an easy transition into a new reporting year. Has the ability to transfer data to and from popular spreadsheets, data bases, word processing and accounting programs. Extensive on-screen inquiry functions and context sensitive help. Written in C and Access 'C'. Available in single and multi-user versions. Supports CGA, VGA, EGA and Expanded memory. Technical support available at (408)432-1764. NetWare Aware features: DDh set error mode and 43h set file attributes (shareable) Netware-specific system calls.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

3 1/2 and 5 1/4

MEMORY

512K

PRICE

\$795.00

Requirements: 132-column printer.

LAYERED, INC.

INSIGHT EXPERT GENERAL LEDGER (VER. 2.10)

ISPN 43760-650

Includes flexible reporting formats and provides graphical analysis with textual explanation and recommendations for management action.

INSIGHT EXPERT GENERAL LEDGER fully integrates with all Insight modules. The application allows multiple companies, divisions, profit centers and departments. General Ledger easily integrates into your accounting operations by allowing posting to multiple open accounting periods. For example, make adjusting entries to last month while capturing the current month's activity. Transactions posted in the subsidiary modules are automatically posted to general ledger. Financial statement formats are generated automatically and user-defined statements may be created. Multi-level financial pie charts are created for each financial statement. Twelve key financial ratios are calculated and presented in 12-month line graphs. Each ratio is interpreted with suggestions on how to improve your business performance.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$695.00 |

Requirements: Hard disk.

GREAT AMERICAN SOFTWARE

ONE-WRITE PLUS MASTER MODULE (VER. 2.05)

ISPN 33428-500

Includes cash disbursements, cash receipts and a complete general ledger.

ONE-WRITE PLUS MASTER MODULE automatically totals everything for each account and will not allow entries that are out of balance. Audit trails are built in making it simple to edit and void. Dates, sales figures and bank deposits are available instantly. Produce checks and receipts and display your balance automatically. The cash balance is adjusted while you work, making it continually up-to-date. Includes a manual.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 384K | \$149.00 |

107 PRODUCTIVITY/ACCOUNTING - INTEGRATED SYSTEMS

SOFTSYNC, INC.

ACCOUNTANT, INC. PROFESSIONAL (VER. 1.0)

ISPN 72240-055

Includes General Ledger, Accounts Payable, Accounts Receivable, Payroll, Inventory, Job Costing and Reporting functions.

Designed to handle finances for a company.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$595.00 |

Requirements: Hard disk.

GREAT AMERICAN SOFTWARE**ACCOUNTING SYSTEM (THE)****ISPN 33428-110**

An accrual-basis accounting system including the master module, general ledger, accounts payable and accounts receivable.

THE ACCOUNTING SYSTEM is designed for the small business that requires detailed vendor and customer information and history. Keeps detailed records on up to 2,000 customers and 2,000 vendors. Prints aging reports, financial statements and general ledger reports. The general ledger is updated automatically.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$299.00 |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**ACCPAC BPI GENERAL ACCOUNTING (VER. 2.1)****ISPN 74700-770**

Offers a full-function general ledger with accounts receivable, accounts payable, payroll, checkwriting, printing and more.

ACCPAC BPI GENERAL ACCOUNTING is a complete general ledger with additional functions that include a cash disbursements ledger with checkwriting and printing, a built-in report writer, full bank reconciliation, subledgers for accounts receivable, accounts payable and payroll, six special journals and over 50 standard reports. Additional features include pull-down menus, instant data look-up and select, a built-in chart of accounts that can be easily modified, full-screen editing, on-line context sensitive help and operation and application switching. Includes multiple open periods (ten), multiple checkbooks (nine), divisional and departmental accounting, as well as password protection at the command level and networking. Module works alone or integrates with other ACCPAC BPI modules. ACCPAC BPI Accounting LanPak (ISPN 74700-705) is required for multi-user capabilities. Written in Pascal. Technical support available at (408)432-1764.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Hard disk.</i> | 5 1/2-inch disk | 512K | \$395.00 |

PEACHTREE SOFTWARE, INC.**BACK TO BASICS: PRO (4 PAK)****GL/AP/AR/INVOICING****ISPN 60150-226**

A double-entry accrual accounting system consisting of accounts payable, accounts receivable, invoicing and general ledger options.

Provides a solid basis for the management of small to medium sized businesses. The Accounting Systems features include double-entry, balance forward accounting system using the accrual method, system password, and numeric or alphabetical identification by company and vendor. Maintains current balance and last payment/purchase date and amount history for each vendor. Allows up to ten vendor payment terms codes. Calculates payment due and discount dates and amounts. Distributes one transaction up to 15 ledger accounts. Prints computer checks and processes handwritten checks. Accepts partial payments. Processes credit and debit memos. Updates Journals and

Reports as each transaction is recorded. Prints vendor mailing labels. Automatically creates reversing entries. Selects invoices for payment. Accounts Payable Reports include Vendor Master List, Purchases Journal, Accounts Payable Disbursements Journal, Open Invoice Register, Check Register, Payables Chart of Accounts, Vendor Reference List, Payments List and Computer Checks. The Accounts Receivable Reports include detailed Accounts Receivable Ledger, Customer Master List, Accounts Receivable Summary, Aging Report, Mailing Labels, Sales Journal, Payments Journal, Finance Charge Journal, Customer Reference List and Customer Statements. General Ledger Reports include Chart of Accounts, Trial Balance, detailed General Ledger, Account Activity Report, General Journal, Cash Disbursements Journal, Cash Receipts Journal, Cash Sales Journal, Income Statement, Balance Sheet, Check Register and Cash Reconciliation Form. BACK TO BASICS General Ledger is a stand-alone system which can be linked with the Accounts Payable and Accounts Receivables programs.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Two disk drives, 80-column printer.</i> | 5 1/4-inch disk | 64K | \$199.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Two disk drives, 80-column printer.</i> | 5 1/4-inch disk | 128K | \$199.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: Two disk drives, 80-column printer.</i> | 3 1/2-inch disk | 512K | \$199.00 |

MANZANITA SOFTWARE SYSTEMS

BUSINESS ACCOUNTANT BUNDLE

ISP#N 46859-170

Includes a system manager, general ledger, accounts payable, accounts receivable and inventory control.

BUSINESS ACCOUNTANT BUNDLE Accounts Payable module controls to who to pay and when to pay. Generates cash flow and discount analysis reports. You can choose either manual or automatic payment of invoices. Manual selection allows you to specify either partial or full payment of individual invoices. You can then produce a payment selection report before printing checks. Each check includes a detailed check stub, and the system can also produce a check register. Maintains complete vendor information for up to 500 vendors on floppy diskette or 6,400 vendors on hard disk. Keeps track of invoice discount dates, due dates, year-to-date purchase and payments, current balances and open credits. Handles partial payments, debit memos and credit memos. Allows you to apply handwritten checks and other payments to invoices. Generates complete reports on the status of your payables. The Accounts Receivable module takes full advantage of the information in the user's customer file. The invoicing process eliminates much of the repetitive data entry common to other systems. Maintains information for up to 500 customers per diskette, or 5,800 customers on a hard disk. Produces detailed open-item or balance-forward customer statements with aged balances and collection notes. Keeps track of invoice discount dates and due dates. Records payments, credits and debits, and applies open credits to invoices and finance charges. Generates reports including aging, accounts receivable, open invoice, credit limit, cash flow, delinquent accounts and more. The General Ledger program includes up-to-date reports which can be produced at any time in any format. Will not allow out-of-balance entries. Maintains a 13-month history of account balances, for comparison. Also maintains information for up to 500 accounts, allows posting of previous months and supports up to 99 departments. Allows on-line inquiry of account information. Generates reports such as trial balance, income statement, balance sheet, funds statement, journal details and more. A series of reports can be printed on command. The Inventory Control module allows the user to maintain tighter control of inventory.

Can be maintained for up to 10,000 parts which can be grouped according to LIFO, FIFO, Standard and Weighted Average. The inventory control system produces detailed reports and can generate purchase orders for amounts of up to \$999,999,999.00. Maintains complete information on each inventory item, including year-to-date issues, receipts and adjustments. A worksheet assists the user in taking physical inventory then updates inventory quantities. Allows the user to include comments and non-stock items on purchase orders. Generates complete reports on the status of the inventory, including stock status, analysis, transaction registers, order recommendations, low stock reports and more. The System Manager module controls all data and provides information such as payment terms, customer notes, passwords and posting detail. Produces mailing labels and lists for customers, vendors, employees and more.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$395.00 |
| <i>Requirements: 80-column text card, two floppy disk drives or a DOS 3.3 compatible hard disk, 80-column printer.</i> | | | |

MONOGRAM SOFTWARE, INC.

BUSINESS SENSE (VER. 1.2)

ISPN 55240-100

Contains integrated General Ledger, Accounts Receivable, Accounts Payable, Payroll, Invoicing and Budgeting.

General ledger accepts up to 2000 accounts, manages up to five bank accounts, 99 departments or profit centers and has flexible recurring entries. Accepts number values up to one trillion. All transaction data is distributed automatically after posting. Account numbers can be up to eight digits and recurring entries feature allows for automatic processing at any time. Reversing transactions and multiple open months are allowed. Accounts Receivable allows balance forward or open invoice aging and accepts up to 2000 customers. Permits partial or complete payments and calculates and applies finance charges and discounts. Tracks sales commissions, and provides five separate sales categories. Prints detailed invoices and statements and has automatic Credit Memos. Provides detailed customer history and analysis, credit limit warnings and produces aging reports. Accounts Payable accepts up to 2000 vendors and tracks invoice date, due date and discount date. Allows detailed aging for cash flow analysis, and automatically applies vendor discounts. Allows partial or complete payments. Prints 1099 forms and checks. Payments may be selected by invoice, due date or discount date. Provides a detailed vendor analysis. Computes tax amount on a sale and automatically totals the invoice. A hard disk or second disk drive recommended. Program is Multifinder compatible.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |
| <i>Requirements: Two 800k disk drives or hard disk.</i> | | | |

SIR-TECH SOFTWARE, INC.

CPA-CLAN PRACTICAL ACCOUNTANT

ISPN 70750-024

A general purpose bookkeeping and accounting program for the small business and home productivity markets.

The program uses widely acceptable accounting procedures and terminology and is easily adapted to existing accounting systems. Tracks up to 128 asset, liability, income

and expense accounts, including net worth, and up to 20 bank accounts. It provides reconciliation of any bank account at the touch of a button. Reports can be prepared on an item by item basis or as a complete professional balance sheet to show the full 12-month financial picture. Identify and track short and long-term costs and trends for auto repairs, medical expenses, travel, office stationary, mailing costs, tax-deductible expenses, investments, liquid assets, etc. Has nine ready-made charts of accounts. Includes four guidebooks with the basics of accounting, step by step operation, questions and answers and reference guide. IBM version features a built-in on-screen calculator and data is transferable for use with Lotus 1-2-3. With its ready-to-run sample disk, the end user can be up and running within 15 minutes.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$59.95 |
| <i>Requirements: Two disk drives.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$79.95 |

DACEASY, INC.

DAC-EASY ACCOUNTING (VER. 4.0)

ISPN 22137-300

Includes general ledger, accounts receivable, accounts payable, forecasting, inventory, purchase order and billing.

A double entry system with an unlimited number of accounts and multi-level accounting. Includes unlimited departments, three year account history for CRT inquiry and a pencil and pen feature to correct mistakes without reverse entries. Provides unique budgeting routines, CRT voucher inquiry, all reports compared to last year or budget, unlimited journals, open item or balance forward and seven customized columns for aging report. Allows unlimited number of customers, mailing labels with four different sorts and automatic finance charges. Supports partial payments, directories, three year customer history for number of invoices, sales, costs and profits. Allows customized text on statements. Provides cash flow analysis, sales analysis and automatic sales forecasting by customer, salesman or customer type. Includes the ability to export information to other systems, password protection, flat rate billing, 1099 Misc. form option, multiple tax rates and prompt windows. Includes a 460-page manual.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$149.95 |
| <i>Requirements: 132-column printer with condensed print capability.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$149.95 |
| <i>Requirements: 132-column printer with condensed print capability.</i> | | | |

DACEASY, INC.

DAC-EASY BONUS PACK

ISPN 22137-100

Contains four modules, including accounting, payroll, accounting tutor and payroll tutor.

Includes Dac-Easy Accounting (ISPN 22137-300), Dac-Easy Payroll (ISPN 22137-375), Dac-Easy Accounting Tutor (ISPN 22137-315) and Dac-Easy Payroll Tutor (ISPN 22137-380). Enter data once and it is posted to the other modules.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ <i>Requirements: Two disk drives, 132-column printer with condensed print capability.</i> | 5 1/4-inch disk | 256K | \$199.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ <i>Requirements: Two disk drives, 132-column printer with condensed print capability.</i> | 3 1/2-inch disk | 256K | \$199.95 |

LAYERED, INC.**INSIGHT ONEWRITE (VER. 1.00)****ISPN 43760-660**

Contains three systems used in small businesses which include cash disbursement, accounts receivable and general ledger.

INSIGHT ONEWRITE is an entry level accounting package designed to meet the needs of small business. All three modules resemble a pegboard system used by many small businesses to greatly reduce training time. All reports can be sent to the screen or printer. The Cash Disbursements module provides full checkbook functionality including a running bank balance, a bank reconciliation, computer generated checks and manual checks. The Accounts Receivable module is a balance forward system that prints invoices and statements as well as maintaining individual customer ledger cards and providing cash receipts processing. The Accounts Receivable module also interfaces with Cash Disbursements so the running bank balance reflects the cash receipts processed in Accounts Receivable. The General Ledger module captures all transactions generated in the Accounts Receivable and Cash Disbursements modules. The General Ledger module also provides a general journal, trial balance, balance sheet and income statement.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$299.00 |

PEACHTREE SOFTWARE, INC.**PEACHTREE COMPLETE II BUSINESS ACCT.****(VER. 4.0)****ISPN 60150-270**

Contains an eight-module accounting system. Each module can be used as a stand-alone program or integrated with the others.

Includes General Ledger, Accounts Receivable, Accounts Payable, Invoicing, Inventory, Fixed Assets, Job Cost and Payroll modules. File capacity is limited only by disk storage. May be distributed among multiple computers, with multi-level password protection available. Menu driven and provides pop-up windows to show where the user is, where he came from, and what he is doing in each application. Windows may be used to find a forgotten name or number while in a program, the information may be selected from the window and applied directly to the program. Short cut keys speed the user from one function to another without manually passing through multiple menus. On-line Help is available from a single function key. Traps errors and gives a plain English description of the problem along with suggested solutions. Prints all information on a report, or user may select a specific range of information to be printed. Includes a separate Installation Guide, and Utilities Manual, as well as an instructional Accounting Primer written for Peachtree users by a Harvard accounting professor. Tutorials with sample data on each package, and an eight volume Reference Library are also included to give detailed instructions on all functions of the software.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$199.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$199.00 |

BROWN-WAGH PUBLISHING**SERVICE INDUSTRY ACCOUNTING**

ISBN 08984-710

Includes job costing, accounts payable, accounts receivable, inventory and general ledger. Designed for service industries.

Using the basics of familiar bookkeeping, this package organizes your information into computerized 'books'. There are no complicated codes to learn and no account numbers to remember. The estimating, costing and charging of work is handled by a bin of computerized job cards. Automatically updates all accounts. Receivables, payables, inventory, job records and general ledger are posted in one step. SERVICE INDUSTRIES ACCOUNTING is fully integrated, handles multiple companies, features help screens, and exports data to spreadsheets, if desired. Produces 'letter' style invoices or 'commercial' style invoices with the built-in text editor. Handles labor, purchases, subcontract and materials, and automatically calculates costs, charges and tax as you go. Prints blank job cards for staff use. Generates several reports including summary status lists, job histories, labor journals, detailed status lists, staff utilizations, and purchase journals. Tracks current month, year-to-date and last year's figures. A new period can be started before the previous one ends. Produces actual vs. budget comparisons. Leaves a bullet proof audit trail. General ledger reports include balance sheets, trial balances, journals, income statements, charts of accounts, movement histories, and cash books. Accounts Receivable reports include account ageing lists, sales analyses, mailing labels, transaction histories, customer lists, and tax analyses. Utilizes the open invoice method to track full or partial payments the balance forward method is also available). Features optional check writing with remittance advice. Accounts payable reports include aged balance lists, mailing labels, transaction histories, supplier lists, and journals. Inventory reports include price lists, sales and valuations, reorder reports, and movement histories.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 640K | \$395.00 |

Requirements: Hard disk, printer with compressed print capability.

109 PRODUCTIVITY/ACCOUNTS PAYABLE/CHECKWRITING**COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS****ACCPAC BPI ACCOUNTS PAYABLE (VER. 2.1)**

ISBN 74700-710

Issues checks, takes advantage of vendor discounts and credit terms and keeps detailed, up-to-date vendor information.

ACCPAC BPI ACCOUNTS PAYABLE provides users with the ability to enter and track vendor invoices, prepare checks automatically, void checks and enter manual checks. Handles multiple checking accounts and provides complete bank reconciliation. Allows

review of voucher journals by selected criteria such as due date, period or voucher status. Additional features include pull-down menus, a built-in chart of accounts that can be easily modified, full-screen editing, instant data look-up and select, on-line context sensitive help and operation/application switching. Produces several reports including aging, cash requirements and vendor status reports. ACCPAC BPI Accounting LanPak (ISPN 74700-705) is required for multi-user capabilities. Written in Pascal. Technical support available at (408)432-1764.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 512K | \$395.00 |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC PLUS ACCOUNTS PAYABLE (VER. 5.0) ISPN 74700-025

Includes entry of suppliers invoices, automatic check printing and disbursements to the general ledger.

ACCPAC PLUS ACCOUNTS PAYABLE prints aged cash requirements and produces the custom reports you need to avoid late payment charges, secure supplier discounts and match cash requirements to cash resources. Extensive error protection includes unlisted vendors, duplicate invoice number and appropriate general ledger accounts. Preserves the detail of unpaid balances. Use sample formats or custom design your checks and advices, utilizing up to five bank accounts. Provides clear, concise audit trails with mandatory printing of all transactions (invoice/adjustments posting journals, check register, general ledger transactions summary). Maintains a complete understanding of your vendor relationships through numerous management reports. Extensive on-screen inquiry functions and context sensitive help. Handles an unlimited number of vendors (subject to available disk space). Reviews complete vendor information and payables aging for any number of vendors on the screen and/or on printed reports. Has the ability to import transactions from popular spreadsheets, databases, word processing and accounting systems. Integrates with other modules in the ACCPAC Plus series. Can be run in windows on your screen using ACCPAC Plus Windowing System Manager (ISPN 74700-090). Written in C and Access 'C'. Available in single user and multi-user versions. Supports CGA, VGA, EGA and Expanded memory. Technical support available at (408)432-1764. NetWare Aware features: DDh set error mode and 43h set file attributes (shareable) NetWare-specific system calls.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: 132-column printer.</i> | 3 1/2 and 5 1/4 | 512K | \$795.00 |

MECA VENTURES, INC.

ANDREW TOBIAS' CHECKWRITE PLUS (VER. 1.0) ISPN 50231-102

Automates the burden of paying your bills.

ANDREW TOBIAS' CHECKWRITE PLUS provides a small business with the ability to write and print checks. Will also do the budgeting and profit and loss. Accounts payable and receivable, bank account management, cash forecasting and loan tracking and analysis are some of the other things this will do for a small business. For an individual it will set up a personal budget, reconcile your bank accounts, manage your credit cards and plan your taxes.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$49.95

DACEASY, INC.**DAC-EASY LIGHT****ISPN 22137-225**

Creates personal financial statements, reconciles bank accounts, tracks deposits, withdrawals and credit card purchases.

Contains two predefined chart of accounts, one for home and one for small businesses. Allows user to enter up to 99 names for each file of creditors, customers, banks or vendors. User can write checks for personal use while expensing existing categories in the predefined chart of accounts. Preprinted continuous checks can be purchased from DAC. User can forecast a 12-month budget to help manage cash flow. Prepares and prints balance sheets, income statements, invoices and sales journals.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$69.95

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

256K

\$69.95

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$69.95

LAYERED, INC.**INSIGHT EXPERT ACCOUNTS PAYABLE****(VER. 2.02)****ISPN 43760-600**

A full-featured program which supports either the cash or accrual methods of accounting.

INSIGHT EXPERT ACCOUNTS PAYABLE provides cash and accrual accounting with complete check writing capability. Scheduling cards allow scheduled pay dates, discounts and invoice amounts to be changed any time prior to selection for payment. Vendor invoices may be automatically selected for payment based on pay date. Computer checks can be easily generated for both accounts payable invoices and transactions not previously entered into the accounts payable system. Manual checks are allowed. Multiple bank accounts are allowed plus there is a full bank reconciliation function for each bank account. Analytical and interpretive Expert Reports provide: Graphic interpretation of aging; projected cash requirements; and 12-month historical performance of purchases and payments, accounts payable aging categories, cash disbursements tracked against aging categories and potential discounts versus actual.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$695.00

Requirements: Hard disk.

112 PRODUCTIVITY/ACCOUNTS RECEIVABLE

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**ACCPAC BPI ACCOUNTS RECEIVABLE (VER. 2.1)****ISPN 74700-720**

Allows tracking of customer activity, aging and analyzing receivables and optimizing cash flow.

ACCPAC BPI ACCOUNTS RECEIVABLE offers balance forward and open item accounts. Allows variable and multiple billing cycles and provides revolving, fixed payment or regular payment terms by customer. Allows users to enter and print invoices at the time of the sale or after the fact. Statements and invoices are fully customizable. Additional features include pull-down menus, instant data look-up and select, a built-in chart of accounts that can be easily modified, full-screen editing, on-line context sensitive help and operation/application switching. Includes the ability to enter cash discounts, account adjustments, single invoice printing and multiple cycles and payment methods. Written in Pascal. ACCPAC BPI Accounting LanPak (ISPN 74700-705) is required for multi-user capabilities. Technical support is available at (408)432-1764.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

*Requirements: Hard disk.***MEDIUM**

5 1/4-inch disk

MEMORY

512K

PRICE

\$395.00

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**ACCPAC PLUS ACCOUNTS RECEIVABLE
(VER. 5.0)****ISPN 74700-027**

Monitors receivables, manages open item and balance forward postings and prints statements, letters and labels for customers.

ACCPAC PLUS ACCOUNTS RECEIVABLE is designed to provide solutions for statements, letters and labels (standard and customized) that can be automatically printed for any range of customers. Maintains your historical and current data for an unlimited number of customers (subject to available disk space). Provides the information you require to make management decisions through the use of reports (aged trail balance with user-defined periods, detailed and summarized customer paying statistics, historical data listings, extensive journals). Offers automatic posting of interest and recurring charges. Provides clear, concise audit trails with mandatory printing of all transactions (invoice posting journal, cash posting journal, adjustment posting journal, interest posting journal, recurring charges posting journal, general ledger transactions summary). Handles automatic year-end closing and has the ability to import transactions from popular spreadsheets, databases, word processing programs and accounting systems. Has extensive on-screen inquiry functions, context sensitive help, order entry and retail invoicing. Integrates with other modules in the ACCPAC Plus series. Can be run in windows on your screen using ACCPAC Plus Windowing System Manager (ISPN 74700-090). Written in C and Access 'C'. Available in single-user and multi-user versions. Supports CGA, VGA, EGA and Expanded memory. Technical support available at (408)432-1764. NetWare Aware features: DDh set error mode and 43h set file attributes (shareable) NetWare-specific system calls.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

3 1/2 and 5 1/4

MEMORY

512K

PRICE

\$795.00

*Requirements: 132-column printer.***LAYERED, INC.****INSIGHT EXPERT ACCTS. REC. & BILLING****(VER. 2.1)****ISPN 43760-610**

Offers full billing functions, which include generating multiple types of invoices and statements.

INSIGHT EXPERT ACCOUNTS RECEIVABLE AND BILLING provides complete invoice billing with comprehensive sales analysis reporting. Both open item and balance forward type of customers are allowed. Billing provides five price discount levels, commission calculation and an unlimited number of ship-to addresses for each customer. In addition, three different invoice formats are provided (service, standard and shipping). Cash flow is maximized by credit checking, statement generation and automatic calculation of finance charges. Historical invoice detail is retained for reporting or exporting for later analysis. Analytical and interpretive Expert Reports provide: Graphic interpretation of aging; projected cash receipts; and 12-month historical performance of monthly cash receipts and sales, accounts receivable aging categories, cash receipts collected by aging category and cash collection based on potential verses actual.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$695.00

Requirements: Hard disk.

114 PRODUCTIVITY/BUSINESS FORMS

POWER UP SOFTWARE CORP.**FAST FORMS (VER 1.2)****ISPN 61687-250**

A forms management system that allows you to create, fill and print professional forms.

Features include an object oriented drawing program, gray screens, hairlines, variable type sizes, text editing, customized horizontal and vertical grids and printing and non-printing drawing planes. Also provides text, number of calculated fields for data entry, data entry to fill out forms, options to export data for use with other applications. The desk accessory provides access to forms for data entry, printing and exporting. Includes a template disk filled with forms ready to use.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$149.95

Requirements: System File (Ver. 3.2 or later).

FORMWORX CORP.

FORMWORX WITH FILL & FILE

ISPN 03462-200

Allows user to design and print custom business forms with access screens for fill-ins.

Fill out preprinted forms or custom designs of your own forms. Store data for reuse, for the same form or a different one. Read and write dBASE files directly. Includes math and programmability. With features that virtually eliminate retyping, FILL & FILE will streamline data entry. Wide and large type sizes, on-screen underlining and boldfacing, and a variety of graphics symbols help emphasize important points. Provides many different form sizes. Color and a variety of graphic symbols can be displayed to make the on-screen form resemble the actual form to be filled. Labels, headings, and special instructions (that do not print out) can be included on the screen to make it easy for anyone to fill out the form. Fill out forms right on screen, with an automatic word wrap that keeps the typing inside the blanks. Form and all standard entries are protected. Can only be changed in the forms design mode, which is locked to prevent accidental changes. Can also have the data automatically entered into other forms.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 5 1/4-inch disk | 512K | \$149.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 3 1/2-inch disk | 512K | \$149.00 |

DELRINA TECHNOLOGY, INC.

PERFORM DESIGNER AND FILLER

ISPN 24512-600

An electronic form processor for designing, filling in and maintaining customized business forms.

PERFORM DESIGNER AND FILLER lets you create attractive forms with sophisticated automatic processing features using a flexible set of design tools. Design tools include combs, text, lines, graphics, boxes, ovals, and bar codes. PerFORM Filler is used to fill in PerFORM Designer forms completely and accurately with automatic checks and calculations, and with information from sources such as databases and text files. On-line help is available for all tools and commands. Supports graphics files in TIFF (Tag Image File Format), GEM Image, MacPaint, PC Paintbrush+, GEM Line Art and compatible formats, with support of color graphic printing. Provides graphics scaling, reshaping and cropping. Supports bar code in eight major formats including UPC and Codabar. Contains sample forms and templates, comprehensive tools and documentation. Enables you to manipulate multiple page elements in one operation, load text from ASCII files, and perform instant corrections with an undo function. There are four adjustable page views for general and detail work. Screen rulers and grids are in inches, centimeters or picas and points.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: 2MB hard disk, GEM 3.1 compatible graphics display.</i> | 5 1/4-inch disk | 640K | \$294.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: 2MB hard disk, GEM 3.1 compatible graphics display.</i> | 3 1/2-inch disk | 640K | \$294.95 |

DELRINA TECHNOLOGY, INC.

PERFORM FILLER

ISPN 24512-610

An electronic form processor with which you can easily enter data into forms created with PerFORM Designer.

PERFORM FILLER automates the process of filling in complicated and lengthy forms with automatic checks and calculations in individual form fields. Add information to your forms from sources such as text files and databases. Contains the Form Filler and Text Filler modules. Form Filler lets you tab through form fields on a graphic, WYSIWYG display and print finished forms and fill data. Text Filler lets you tab through form fields on a text-based display and print draft or finished forms and fill data. Provides automatic calculations and fill-in of fields including date and time, serial numbers, page numbers, check marked boxes and default entries. Supports dBASE and DOS standard delimited database file import and export. Bar codes can be entered or automatically calculated. Other features include data entry validation, including numeric checks, range selection and tables; database 'look up and replace', referencing dBASE files (index and database) or data from other forms to fill in fields; dBASE field referencing; automatic file and index creation and maintenance, and memo fields. Prints single or multiple copies of forms only, data only or filled-in forms.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: 2MB hard disk.</i> | 5 1/4-inch disk | 640K | \$129.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: 2MB hard disk.</i> | 3 1/2-inch disk | 640K | \$129.95 |

POLARIS SOFTWARE

POLARIS FORMS (VER. 2.0)

ISPN 61462-425

Reduces all types of professional looking single or multiple-page business forms in conjunction with word processing or text editor.

POLARIS FORM is a complete forms generation program that is easy to use. You can use any word processing program to design your form while taking advantage of all the LaserJet, LaserJet PLUS and Series II features, including all the proportional fonts. Once the form is designed changes are quick and easy. You can create any type of form. Multiple page forms or multiple forms per page. The data which is included on the form can originate from any source. Your forms can have the time and/or the date merged on the form exactly where you want it, automatically.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 5 1/4-inch disk | 256K | \$149.00 |

CLARIS CORP.

SMARTFORM ASSISTANT (VER. 1.1)

ISPN 12784-700

Facilitates quick completion and management of electronic forms created with the SmartForm Designer program.

Allows users to quickly, easily and accurately fill out any form created with SmartForm Designer (ISP# 12784-600). Efficient form completion is facilitated by help messages, automatic calculations, choice lists, automatic formatting and constraints. Completed forms can be printed on blank paper or overlaid on pre-printed multi-part forms. Forms can be routed throughout a workgroup using networking technology such as file servers and electronic mail. Form data can be exported to other programs like database and spreadsheets for further analysis. Cost-effective site license available. Electronic form sets can be searched instantly.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.00 |

Requirements: Two 800K disk drives, printer.

CLARIS CORP.

SMARTFORM DESIGNER (VER. 1.1)

ISP# 12784-600

An object-oriented drawing program optimized for paper and electronic forms creation.

Includes forms-specific graphics tools that can create form components such as fields, lists, check boxes and combs boxes that accept individual letters or numbers. Data definition features allow for electronic capture and the subsequent manipulation of data so users can record and track information. Has movable rulers with increments in inches, centimeters, picas and points as well as rectangles, lines and ovals with pen and fill patterns. Gives full editing in enlarged or reduced view, multi-page forms with headers and footers. Other design tools include custom lines, fonts and rulers, plus flexible alignment, rotation and grouping options. Has ability to output to any PostScript device, including the Apple LaserWriter as well as non-PostScript devices such as the ImageWriter printer. Supports Encapsulated PostScript (EPS) and PICT graphic formats.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$399.00 |

Requirements: Two 800K disk drives, printer.

XEROX CORP.

XEROX FORMBASE (VER. 1.0)

ISP# 87075-801

An integrated forms creation and database manager for Microsoft Windows. Draw a form and create a database in one operation.

XEROX FORMBASE is a forms processor designed for the non-computer expert who has a need to create or use forms, and who wants to make production use of the information in the forms. The easy-to-use graphical interface allows even novice PC users to create professional forms and an associated database, all in the same operation, and with no programming or coding of any kind.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 640K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 640K | \$495.00 |

115 PRODUCTIVITY/COMPUTER TUTORIALS

DACEASY, INC.**DAC-EASY ACCOUNTING TUTOR (VER. 3.0)****ISPN 22137-315**

To be used by the beginner or by the current user as a stand-alone supplement to the user's manual.

Load the diskette in the computer and the user will be guided through each of the seven modules step by step. Provides a resource for any questions that may come up in the operation of Dac-Easy Accounting.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$29.95 |

INDIVIDUAL SOFTWARE, INC.**INDIVIDUAL TRAINING FOR LOTUS 1-2-3****(VER. 1.0)****ISPN 37275-050**

Identifies those Lotus 1-2-3 commands and operations that are basic for day-to-day use.

INDIVIDUAL TRAINING FOR LOTUS 1-2-3 highlights Lotus features that are vital but difficult to discover and hard to learn. Instructs the user on what they need to know to perform the operations quickly, efficiently and effectively. Does not cover features and functions in isolation. Addresses all commands and operations in the context of a sample application. This method helps one learn how to use a Lotus 1-2-3 feature and also teaches how to apply it. Both beginning through sophisticated Lotus 1-2-3 features and operations are covered. Learning is made interesting and enjoyable through the use of color graphics and frequent, meaningful opportunities to employ new skills and concepts. Comes with two interactive diskettes, a user guide and operation booklet including exercises.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 128K | \$69.95 |

INDIVIDUAL SOFTWARE, INC.**INDIVIDUAL TRAINING FOR WORDPERFECT****(VER. 5.0)****ISPN 37275-085**

Introduces WordPerfect with interactive lessons on creating, editing, formatting and managing documents.

INDIVIDUAL TRAINING FOR WORDPERFECT offers interactive lessons covering creating documents, editing documents, formatting text and printing documents. Additional lessons delve into managing your documents and using the Speller and Thesaurus to help save time while creating error free documents. More advanced topics

like creating multiple columns, macros and merging documents are also included. The tutorial is designed for new users of WordPerfect as well as more experienced users. Runs concurrent with the actual WordPerfect software providing 'hands-on' experience.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$69.95 |
| <i>Requirements: WordPerfect (ISPN 68012-600).</i> | | | |

SYMANTEC

JUST ENOUGH PASCAL

ISPN 77413-494

An interactive tutorial that works with Lightspeed Pascal to get users started programming in Pascal on the Macintosh.

JUST ENOUGH PASCAL lets you learn Pascal fundamentals and the Lightspeed Pascal environment while having fun. With JUST ENOUGH PASCAL you can create your own animated graphic application using QuickDraw (ISPN 77413-250). Simply use the on-line, interactive instructions and explanations for easy learning. More adventurous programmers will enjoy experimenting with the tinkering section. Requires Lightspeed Pascal (ISPN 77413-250).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$75.00 |
| <i>Requirements: Lightspeed Pascal (Ver. 2.0) (ISPN 77413-250).</i> | | | |

AMERICAN TRAINING INT'L. (ATI)

TEACH YOURSELF EXCEL

ISPN 03156-070

A two-disk training program that teaches you how to set up a worksheet, enter data and formulas, prepare memos, and graphs.

Volume 1 shows you how to start up Excel, set up worksheets, enter text, data and formulas, format columns, edit worksheets, add rows, copy information, copy ranges of cells, sort information, enter complex formulas and copy formulas into ranges of cells. Volume 2 shows you how to prepare graphs, display large worksheets, format numeric data, combine worksheets with graphs, create macros, create scoreboards, view ranges of cells, create overlay charts, modify page setups and print documents.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$75.00 |
| <i>Requirements: Microsoft Excel (ISPN 53150-280).</i> | | | |

AMERICAN TRAINING INT'L. (ATI)

TEACH YOURSELF LOTUS 1-2-3

ISPN 03156-082

Contains a spreadsheet tutorial for Lotus 1-2-3.

Volume 1 allows you to set up a worksheet, enter text, data and formulas, copy and sort information, prepare a custom menu, load an existing worksheet, edit a worksheet and graph on a worksheet. Volume 2 enables you to display a large worksheet, format numeric data, lock titles, combine titles and prepare macros to facilitate complex

operations. Use special range names, display pages of a long worksheet, query a database, use a data table, protect a range of cells and practice with unique exercises. The user must specify which specific MSDOS compatible computer is owned when ordering the program.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$75.00 |

AMERICAN TRAINING INT'L. (ATI)

TEACH YOURSELF SYMPHONY

ISP# 03156-106

American Training International's tutorial package for the Symphony program.

Volume 1 allows you to create, edit and save a worksheet, perform 'what if' analyses, calculate numbers in text, display two windows, change window dimensions, freeze titles, protect rows in a window and prepare worksheets using values and formulas. Volume 2 enables you to build a database, sort information, select records using simple/complex selection criteria, print a database report, create a menu, use database information in a form letter, print a form letter using information from a database, use macros and create and use a macro in a template.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$75.00 |

AMERICAN TRAINING INT'L. (ATI)

TEACH YOURSELF WORDPERFECT 4.2

ISP# 03156-275

Teaches WordPerfect through step-by-step lessons.

TEACH YOURSELF WORDPERFECT contains two volumes. The Introductory Volume teaches the user how to create and edit a document, save a document, move the cursor, enter and delete text, change the standard format, print a document and get help. The Advanced Volume teaches the user how to create sophisticated documents, tables of contents and indexes. Also teaches how to search and replace text, merge documents, use the spell checker, create columns and print in bold and underline. WordPerfect software is simulated on the screen, with interactive instructions windowed over the simulated software. Features color graphics, skill-building exercises, mistake-proof response checking and content summaries.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$75.00 |

118 PRODUCTIVITY/FINANCIAL

GOOD SOFTWARE CORP.**AMORTIZER PLUS****ISPN 33278-103**

Calculates and prepares loan amortization schedules to best fit your clients' needs.

AMORTIZER PLUS is a loan analysis and amortization program. 'What if' analyses of various loan types and professional looking, customized reports help in calculating and preparing loan amortization schedules for clients. The user chooses the type of compounding and payment intervals he wants his clients to pay.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.95 |

LORD PUBLISHING, INC.**RONSTADT'S FINANCIALS (VER. 1.01)****ISPN 45509-100**

Enter business assumptions into a predefined screen and the program automatically generates a variety of financial statements.

RONSTADT'S FINANCIALS allows you to quickly see the financial implications of your business assumptions. You need only input your assumptions into one pre-defined screen, and the program automatically creates financial statements that are linked together, including a balance sheet, income statement, revenue statement, cash flows, key ratios, breakeven projections and other statements. Fully customizable, with easy-to-use graphics and extensive on-line help system.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$199.00 |

123 PRODUCTIVITY/FONTS/IMAGES

ADOBE SYSTEMS, INC.**AACHEN/REVUE/UNIV. ROMAN/FREESTYLE
SCRIPT****ISPN 01012-105**

Contains four variations of the Aachen/Revue/Univ.Roman/Freestyle script font suitable for use with any PostScript printer.

AACHEN/REVUE/UNIV. ROMAN/FREESTYLE SCRIPT contains Aachen Bold, Revue, University Roman, and Freestyle script fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

*Requirements: PostScript printer.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

640K

512K

PRICE

\$185.00

\$185.00

ADOBE SYSTEMS, INC.**ADOBE COLLECTOR'S EDITION II****ISPN 01012-041**

Features patterns and textures PostScript symbols.

ADOBE COLLECTOR'S EDITION II gives you a personal library of pre-built patterns for use with Adobe Illustrator 88 (ISPN 01012-060). Filled with hundreds of high-quality patterns and fills for all kinds of applications. You can use them as is or easily change them as you see fit.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$225.00

*Requirements: Adobe Illustrator 88 (ISPN 01012-060).***ADOBE SYSTEMS, INC.****AMERICANA****ISPN 01012-100**

Contains four variations of the Americana script font suitable for use with any PostScript printer.

AMERICANA contains Americana, Italic, Bold and Extra Bold script fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

*Requirements: PostScript printer.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

640K

512K

PRICE

\$185.00

\$185.00

ADOBE SYSTEMS, INC.**ANTIQUE OLIVE****ISPN 01012-102**

Contains five variations of the Antique Olive script font suitable for use with any PostScript printer.

ANTIQUE OLIVE contains Antique Olive, Light, Italic, Bold and Black script fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

*Requirements: PostScript printer.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

640K

512K

PRICE

\$185.00

\$185.00

ADOBE SYSTEMS, INC.

ARNOLD BOCKLIN

ISPN 01012-101

Contains the Arnold Bocklin script font suitable for use with any PostScript printer.

ARNOLD BOCKLIN includes Helvetica Inserat (ISPN 01012-201), Present Script (ISPN 01012-615) and Fette Fraktur (ISPN 01012-136).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$185.00 |

UNISON WORLD

ART GALLERY I

ISPN 83678-750

Contains an add-on clip art product which works with Printmaster Plus. Each art gallery offers 140 graphics.

Features include detailed complete drawings as art gallery graphics. Supports most IBM PC compatibles.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Printmaster Plus (ISPN 83678-725).</i> | 5 1/4-inch disk | 128K | \$29.95 |
| COMMODORE 64/128 <i>Requirements: Printmaster Plus (ISPN 83678-725).</i> | 5 1/4-inch disk | 256K | \$24.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ <i>Requirements: Printmaster Plus (ISPN 83678-725) or Newsmaster (ISPN 83678-726).</i> | 5 1/4-inch disk | 256K | \$29.95 |

UNISON WORLD

ART GALLERY II

ISPN 83678-125

Contains 140 clip art shapes to be used with all Printmaster Plus programs.

One hundred forty additional clip art shapes to be used with Printmaster (all formats) and Newsmaster (MSDOS only).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Printmaster Plus (ISPN 83678-725).</i> | 5 1/4-inch disk | 128K | \$29.95 |
| COMMODORE 64/128 <i>Requirements: Printmaster Plus (ISPN 83678-725).</i> | 5 1/4-inch disk | 64K | \$24.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ <i>Requirements: Printmaster (ISPN 83678-725), Newsmaster (ISPN 83678-726).</i> | 5 1/4-inch disk | 256K | \$29.95 |

UNISON WORLD

ART GALLERY-FANTASY 1.0

ISPN 83678-200

Includes 140 pieces of fantasy clip art for use with Printmaster Plus and Print Shop programs.

Provides graphics of dragons, warriors, trolls, wizards, treasure, and weapons. Includes twenty oversized images for use with Newsmaster. All clip-art is fully detailed and accurate.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$29.95 |
| <i>Requirements: Print Master Plus (ISPN 83678-725), Newsmaster (ISPN 83678-726) or Print Shop (ISPN 08850-125).</i> | | | |

ADOBE SYSTEMS, INC.

AVENIR 1

ISPN 01012-103

Contains six variations of the Avenir 1 script font suitable for use with any PostScript printer.

AVENIR 1 contains Light, Light Oblique, Roman, Oblique, Heavy and Heavy Oblique script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$275.00 |
| <i>Requirements: PostScript printer.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$275.00 |
| <i>Requirements: PostScript printer.</i> | | | |

ADOBE SYSTEMS, INC.

AVENIR 2

ISPN 01012-107

Contains six variations of the Avenir 2 script font suitable for use with any PostScript printer.

AVENIR 2 contains 45 Book, 45 Book Oblique, 65 Medium, 65 Medium Oblique, 95 Black and 95 Black Oblique script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$275.00 |
| <i>Requirements: PostScript printer.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$275.00 |
| <i>Requirements: PostScript printer.</i> | | | |

BITSTREAM, INC.

BASKERVILLE SCALEABLE TYPEFACE PACKAGE

ISPN 07836-112

Print with the Baskerville typeface family. Creates type in virtually any size.

BASKERVILLE SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Baskerville typeface family. Use it to create matching screen and print fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

ADOBE SYSTEMS, INC.

BELWE

ISPN 01012-106

Contains four variations of the Belwe downloadable font for use with any PostScript printer.

BELWE provides Belwe Light, Belwe Medium, Belwe Bold and Belwe Condensed fonts.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$185.00 |

BITSTREAM, INC.

BERNHARD MODERN SCALEABLE TYPEFACE PACKAGE

ISPN 07836-158

Includes four Bernhard Modern typestyles. Creates type in virtually any size.

BERNHARD MODERN SCALEABLE TYPEFACE PACKAGE contains four Bernhard Modern typestyles - Roman, italic, bold and bold italic. Use it to create fonts in virtually any size for several printers including the Hewlett Packard LaserJet Plus and Series II, any printers using PostScript PDL and any printers using high- and low-resolution screen displays. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package interfaces with the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |

BITSTREAM, INC.

BITSTREAM CHARTER SCALEABLE TYPEFACE PACKAGE

ISPN 07836-116

Choose from the Bitstream Charter typeface family. Creates type in virtually any size.

BITSTREAM CHARTER SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Bitstream Charter typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.

BITSTREAM COOPER LIGHT SCALEABLE TYPEFACE PACKAGE

ISPN 07836-118

Choose from the Bitstream Cooper Light typeface family. Creates type in virtually any size.

BITSTREAM COOPER LIGHT SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Bitstream Cooper Light typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

ADOBE SYSTEMS, INC.

BODONI

ISPN 01012-110

Contains four variations of the Bodoni font for use with a PostScript printer.

BODONI contains Bodoni, Bodoni Italic, Bodoni Bold, and Bodoni Bold Italic fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$185.00 |
| <i>Requirements: PostScript printer.</i> | | | |

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
Requirements: PostScript printer.

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$185.00

BITSTREAM, INC.**BODONI SCALEABLE TYPEFACE PACKAGE**

ISPN 07836-113

Choose from the Bodoni typeface family. Creates type in virtually any size.

BODONI SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Bodoni typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$195.00

Requirements: Fontware Installation Kit (ISPN 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$195.00

Requirements: Fontware Installation Kit (ISPN 07836-176).

ADOBE SYSTEMS, INC.**CASLON**

ISPN 01012-116

Contains two variations of the Caslon 3 and two variations of the Caslon 540 downloadable font for use with any PostScript printer.

CASLON provides Caslon 3 Roman, Caslon 3 Italic, Caslon 540 Roman and Caslon 540 Italic fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$185.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$185.00

Requirements: PostScript printer.

ADOBE SYSTEMS, INC.**CENTURY EXPANDED**

ISPN 01012-181

Contains two variations of the Century Expanded script font suitable for use with any PostScript printer.

CENTURY EXPANDED contains Century Expanded and Century Expanded Italic script fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$145.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$145.00

Requirements: PostScript printer.

ADOBE SYSTEMS, INC.**CENTURY OLD STYLE****ISPN 01012-120**

Contains three variations of the Century Old Style font for use with any PostScript compatible printer.

Has Century Old Style, Century Old Style Italic and Century Old Style Bold fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$145.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$145.00 |

BITSTREAM, INC.**CENTURY SCHOOLBOOK SCALEABLE TYPEFACE PACKAGE****ISPN 07836-115**

Print with the Century Schoolbook typeface family. Creates type in virtually any size.

CENTURY SCHOOLBOOK SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Century Schoolbook typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105) or the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

T/MAKER CO.**CLICKART BUSINESS IMAGES****ISPN 79465-030**

A portfolio of over 1000 business-oriented images for enhancing and illustrating overhead slides, reports, charts, and newsletters.

Contains professionally drawn business images which include industrial and business symbols, flow chart templates, office equipment and supplies, flags, cars, ships, trucks, planes, houses, and people symbols. Includes Stackware for HyperCard (ISPN 03900-300) and ClickArt ClipOut, a Macintosh desk accessory which allows users to access and modify MacPaint (ISPN 12784-510) files without leaving the current application.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 128K | \$49.95 |

T/MAKER CO.

CLICKART EPS BUSINESS ART

ISPN 79465-046

Contains over 200 business-oriented encapsulated postscript images for use in enhancing all types of business-related documents.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$129.95 |
| <i>Requirements: Program that can read encapsulated postscript format (EPS) and a postscript compatible printer.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$129.95 |
| <i>Requirements: Program that can read encapsulated postscript format (EPS) and a postscript compatible printer.</i> | | | |

T/MAKER CO.

CLICKART HOLIDAYS

ISPN 79465-055

Contains images of Christmas and Hanukkah, and art for Thanksgiving, Fourth of July, Easter, and Valentine's Day.

Comes in MacPaint (ISPN 12784-510) and HyperCard (ISPN 3900-300) stackware format. Images include animals, cartoons, decorative borders, patriotic symbols, party symbols, and more. Contains ClickArt ClipOut, a desk accessory that allows access and modification to MacPaint documents without leaving the current application.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 128K | \$49.95 |

T/MAKER CO.

CLICKART SCRAPBOOK+

ISPN 79465-101

Stores and organizes graphic images, text files, Excel data (SYLK), and Encapsulated PostScript files (EPS) within Microsoft Windows.

Automatically creates miniature copies of images in a file. Allows users to scan a visual index of the entire file. Double-clicking on the desired thumbnail brings the user to a larger screen view of the stored image where all or a portion of the image may be selected and copied to the clipboard. A series of keywords can be attached to an image by using the description line, which may be toggled on or off. The description line is the basis for the keyword searches performed by the Find function, which retrieves images by name. Features visual control, which allows the user to control the appearance of the window with the page icons located in the Toolbox. Thumbnails, or miniature pictures, can be used as a visual index. Images can be cut, copied, or pasted to the clipboard. Additional features include Block or Lasso selection of bitmaps, Merge, Info Box showing the title, total number of entries, size and description of the scrapbook file, Auto-Paste to automatically paste clipboard contents to Scrapbook+, Screen-capture capabilities, and On-Line Help. Interfaces with Microsoft Windows (ISPN 53150-735) and PC PageMaker (ISPN 02226-700). Contains full scrolling and window resizing capabilities, multiple viewing user-defined modes, and extensive keyboard accelerators. Integrates into the Windows clipboard viewer chain, replacing the current clipboard viewer.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

512K

\$129.95

*Requirements: Microsoft Windows (ISPN 53150-735) (Ver. 2.0 or higher).***SPRINGBOARD SOFTWARE****CLIP ART COLLECTION (VOL. 3)****ISPN 75309-032**

Contains over 600 pieces of clip art featuring sports and recreational activities.

The latest edition of CLIP ART adds real value to owners of Newsroom. Dozens of categories including: Tennis, Skydiving, Baseball, Fishing, Soccer, Football, Track and Camping are represented. The art can be used as is or can be modified with the editing tools of Newsroom.

SYSTEM**MEDIUM****MEMORY****PRICE**

COMMODORE 64/128

5 1/4-inch disk

64K

\$14.95

*Requirements: Newsroom (ISPN 75309-510).***ADOBE SYSTEMS, INC.****COCHIN****ISPN 01012-186**

Contains four variations of the Cochin script font suitable for use with any PostScript printer.

COCHIN contains Cochin, Italic, Bold and Bold Italic script fonts.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

640K

\$185.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$185.00

*Requirements: PostScript printer.***MICROGRAFX, INC.****COMPUTERS/OFFICE CLIPART LIBRARY****ISPN 52493-126**

A collection of symbols and drawings of computers and peripherals that can be cut and pasted into virtually any Windows application.

Each symbol can be stretched, resized, flipped, rotated, and manipulated in Micrografx Designer (ISPN 52493-050), Graph Plus (ISPN 52493-820), and Draw (ISPN 52493-800). Drawn with lines and curves, every symbol can be infinitely modified, then printed at the highest resolution possible. Includes Micrografx Portfolio, an application designed to enable the user to select an individual symbol or image, copy it to the Windows Clipboard, and paste it into virtually any other Windows application, such as PageMaker (ISPN 02226-700) or Micrografx Graph Plus. Symbols can be saved in a file with a PIC, DRW, or GRF extension and subsequently opened in a Windows application. Requires no installation to use with Micrografx Portfolio or other compatible programs. Most symbols are combined symbols. Each was created from several smaller symbols. All the symbols then were combined into one complex symbol. Many of the combined symbols contain components that are useful by themselves. Combined symbols can be selected and broken apart, allowing the original symbol to be used by itself. Clipart files can be

kept intact by saving them (or the symbols they contain) as new files under a different name. Symbols can be copied from separate files and combined as needed. New symbols can be created as well. Contains a selection of symbols of desks and chairs.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$79.95 |
| <i>Requirements: Microsoft Windows/286 (ISPN 53150-735), Microsoft Windows/386 (ISPN 53150-736), or compatible program.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 512K | \$79.95 |
| <i>Requirements: Microsoft Windows/286 (ISPN 53150-735), Microsoft Windows/386 (ISPN 53150-736), or compatible program.</i> | | | |

ADOBE SYSTEMS, INC.

CONCORDE

ISPN 01012-191

Contains four variations of the Concorde script font for use with any PostScript printer.

CONCORDE contains Concorde, Italic, Bold and Bold Italic script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$185.00 |
| <i>Requirements: PostScript printer.</i> | | | |

BITSTREAM, INC.

COURIER (10 PITCH) SCALEABLE TYPEFACE PACKAGE

ISPN 07836-119

Choose from the Courier typeface family.

COURIER (10 PITCH) SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Courier typeface family in 10 pitch. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

MICROGRAFX, INC.

DINGBATS CLIPART LIBRARY

ISPN 52493-132

A collection of dingbats which can be cut and pasted into virtually any Windows application.

Each symbol can be stretched, resized, flipped, rotated, and manipulated in Micrografx Designer (ISPN 52493-050), Graph Plus (ISPN 52493-820), and Draw (ISPN 52493-800).

Drawn with lines and curves, every symbol can be infinitely modified, then printed at the highest resolution possible. Includes Micrografx Portfolio, an application designed to enable the user to select an individual symbol or image, copy it to the Windows Clipboard, and paste it into virtually any other Windows application, such as PageMaker (ISPN 02226-700) or Micrografx Graph Plus. Symbols can be saved in a file with a PIC, DRW, or GRF extension and subsequently opened in a Windows application. Requires no installation to use with Micrografx Portfolio or other compatible programs. Most symbols are combined symbols. Each was created from several smaller symbols. All the symbols then were combined into one complex symbol. Many of the combined symbols contain components that are useful by themselves. Combined symbols can be selected and broken apart, allowing the original symbol to be used by itself. Clipart files can be kept intact by saving them (or the symbols they contain) as new files under a different name. Symbols can be copied from separate files and combined as needed. New symbols can be created as well. Includes a variety of arrows, balloons, banners, images, maps, money, splashes and stars.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$79.95 |
| <i>Requirements: Microsoft Windows/286 (ISPN 53150-735), Microsoft Windows/386 (ISPN 53150-736), or compatible program.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 512K | \$79.95 |
| <i>Requirements: Microsoft Windows/286 (ISPN 53150-735), Microsoft Windows/386 (ISPN 53150-736), or compatible program.</i> | | | |

BITSTREAM, INC.

DUTCH SCALEABLE TYPEFACE PACKAGE

ISPN 07836-120

Choose from the Dutch typeface family. Creates type in virtually any size.

DUTCH SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Dutch typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit of Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

ADOBE SYSTEMS, INC.

EUROSTILE

ISPN 01012-128

Contains six variations of the Eurostile PostScript font.

EUROSTILE provides Eurostile, Eurostile Oblique, Eurostile Demi, Eurostile Demi Oblique, Eurostile Bold, and Eurostile Bold Oblique fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$275.00 |
| <i>Requirements: PostScript printer.</i> | | | |

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

*Requirements: PostScript printer.***MEDIUM**

3 1/2-inch disk

MEMORY

512K

PRICE

\$275.00

STEPHEN & ASSOCIATES**FISH (VOL. 1)****ISPN 76104-202**

Contains 100 .PCX, PIX or CUT file format images of salt and fresh water fish.

FISH contains pictures of European lake trout, blue char, salmon, criss-cross butterfly-fish, starfish, sword fish, porcupine-fish, opah, gourami, pomacentrus, tub gurnard, black bass, crucian carp, mackerel, tuna, flying fish, turbot, haddock and a few flatfish. Additional family members are included in each category to provide versatility. A cross reference and pictorial index is provided.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$39.95

Requirements: 1.2MB hard disk, program that can read .PCX, PIX or CUT file formats.

ADOBE SYSTEMS, INC.**FOLIO****ISPN 01012-286**

Contains five variations of the Folio script font suitable for use with any PostScript printer.

FOLIO contains Light, Medium, Bold, Extra Bold and Bold Condensed script fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$185.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$185.00

*Requirements: PostScript printer.***BERKELEY SOFTWARE****FONTPACK PLUS****ISPN 07440-300**

Offers 53 font styles. For use with geoPublish.

The variety of fonts and point sizes provided in FONTPACK PLUS further extends the usability and types of documents that can be created with GeoWrite, geoPaint and geoPublish. Also, use GeoFont to create new fonts or modify existing ones. Users can create unlimited number of back ups providing they have a valid GEOS boot disk.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$29.95

Requirements: geoPublish (ISPN 07440-360).

BITSTREAM, INC.**FRANKLIN GOTHIC SCALEABLE TYPEFACE PACKAGE****ISPN 07836-152**

Choose from the Franklin Gothic typeface family. Creates type in virtually any size.

FRANKLIN GOTHIC SCALEABLE TYPEFACE PACKAGE contains four Franklin Gothic typesets - Roman, italic, condensed and extra condensed. Use it to create fonts in virtually any size for several printers, including the Hewlett Packard LaserJet Plus and Series II, any printers using the PostScript PDL and any printers using high- and low-resolution screen displays. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

ADOBE SYSTEMS, INC.**FRUTIGER****ISPN 01012-206**

Contains nine variations of the Frutiger script font suitable for use with any PostScript printer.

FRUTIGER contains 45 Light, 46 Light Italic, Frutiger 55, 56 Italic, 65 Bold, 66 Bold Italic, 75 Black, 76 Black Italic and 95 Ultra Black script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$370.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$370.00 |

ADOBE SYSTEMS, INC.**FUTURA****ISPN 01012-132**

Contains six variations of the Futura font for use with any PostScript compatible printer.

FUTURA provides Futura, Futura Oblique, Futura Heavy, Futura Heavy Oblique, Futura Extra Bold, and Futura Extra Bold Oblique fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$275.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$275.00 |

BITSTREAM, INC.

FUTURA BOOK SCALEABLE TYPEFACE PACKAGE

ISPN 07836-121

Print with the Futura Book typeface. Creates type in virtually any size.

FUTURA BOOK SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Futura Book typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

ADOBE SYSTEMS, INC.

FUTURA CONDENSED

ISPN 01012-133

Contains eight variations of the Futura Condensed font for use with any PostScript compatible printer.

FUTURA CONDENSED provides Futura Condensed Light, Futura Condensed Light Oblique, Futura Condensed, Futura Condensed Oblique, Futura Condensed Bold, Futura Condensed Bold Oblique, Futura Condensed Extra Bold, and Futura Condensed Extra Bold Oblique fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$370.00 |
| <i>Requirements: PostScript printer.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$370.00 |
| <i>Requirements: PostScript printer.</i> | | | |

ADOBE SYSTEMS, INC.

FUTURA LIGHT

ISPN 01012-130

Contains six variations of the Futura Light downloadable font for use with any PostScript compatible printer.

FUTURA LIGHT has Futura Light, Futura Light Oblique, Futura Book, Futura Book Oblique, Futura Bold, and Futura Bold Oblique fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$275.00 |
| <i>Requirements: PostScript printer.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$275.00 |
| <i>Requirements: PostScript printer.</i> | | | |

BITSTREAM, INC.**FUTURA LIGHT SCALEABLE TYPEFACE PACKAGE****ISPN 07836-122**

Choose from the Futura Light typeface family. Creates type in virtually any size.

FUTURA LIGHT SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Futura Light typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.**FUTURA MEDIUM SCALEABLE TYPEFACE PACKAGE****ISPN 07836-123**

Choose from the Futura Medium typeface family. Creates type in virtually any size.

FUTURA MEDIUM SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Futura Medium typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

ADOBE SYSTEMS, INC.**GARAMOND 3****ISPN 01012-310**

Contains four variations of the Garamond 3 script font suitable for use with any PostScript printer.

GARAMOND 3 contains Regular, Italic, Bold and Bold Italic script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$185.00 |
| <i>Requirements: PostScript printer.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$185.00 |
| <i>Requirements: PostScript printer.</i> | | | |

ADOBE SYSTEMS, INC.

GLYPHA

ISPN 01012-135

Provides four variations of the Glypha font.

GLYPHA is font software you can use with any printer capable of generating postscripts. It contains four variations of the Glypha down-loadable font: Glypha, Glypha Oblique, Glypha Bold and Glypha Bold Oblique.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$185.00 |

ADOBE SYSTEMS, INC.

GOUDY OLD STYLE

ISPN 01012-140

Contains four variations of the Goudy Old Style downloadable font for use with any postscript compatible printer.

GOUDY OLD STYLE contains Goudy Old Style, Goudy Old Style Italic, Goudy Old Style Bold, and Goudy Old Style Bold Italic fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$185.00 |

BITSTREAM, INC.

GOUDY OLD STYLE SCALEABLE TYPEFACE PACKAGE

ISPN 07836-127

Choose from the Goudy Old Style typeface family. Creates type in virtually any size.

GOUDY OLD STYLE SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Goudy Old Style typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG(What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

BITSTREAM, INC.

HAMMERSMITH SCALEABLE TYPEFACE PACKAGE

ISPN 07836-128

Choose from the Hammersmith typeface family. Creates type in virtually any size.

HAMMERSMITH SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Hammersmith typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

SOFTWARE PUBLISHING CORP.

HARVARD GRAPHICS BUSINESS SYMBOLS

ISPN 73300-305

Contains over 300 business symbols for use with Harvard Graphics.

HARVARD GRAPHICS BUSINESS SYMBOLS includes symbols of PCs, printers, plotters and other computer equipment; telecommunications equipment; presentation equipment and scenes; traffic signs; office equipment; industrial buildings; food packaging; furniture; mathematical symbols; and 3-D objects. Allows you to add one or more of the symbols to your charts and graphs. Or create your own free-hand drawings and diagrams using some of the equipment and furniture symbols provided in this set.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$99.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$99.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |

BITSTREAM, INC.

HEADLINES 1 SCALEABLE TYPEFACE PACKAGE

ISPN 07836-145

Consists of four headline typefaces.

HEADLINES 1 SCALEABLE TYPEFACE PACKAGE contains four typefaces - Bitstream Cooper Black, Broadway, Cloister Black and University Roman - all in single weight. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package interfaces with the Fontware Installation kit for Aldus PageMaker (ISPN 07836-105), the kit for Ventura Publisher (ISPN 07836-106) or the kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$195.00

*Requirements: Fontware Installation Kit (ISPN 07836-176).***BITSTREAM, INC.****HEADLINES 2 SCALEABLE TYPEFACE PACKAGE****ISPN 07836-146**

Consists of four headline typefaces.

HEADLINES II SCALEABLE TYPEFACE PACKAGE contains four typefaces - Brush Script, Blippo Black, Hobo and Windsor - all in a single weight. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$195.00

Requirements: Fontware Installation Kit (ISPN 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

5 1/4-inch disk

512K

\$195.00

*Requirements: Fontware Installation Kit (ISPN 07836-176).***BITSTREAM, INC.****HEADLINES 3 SCALEABLE TYPEFACE PACKAGE****ISPN 07836-147**

Consists of four headline typefaces.

HEADLINES III SCALEABLE TYPEFACE PACKAGE contains four typefaces- Swiss Extra Compressed, Swiss Compressed, Exotic Demi-bold and Exotic Bold - all in single weight. Use it to create matching screen and printer fonts for a true WYSIWYG (What-You-See-Is-What-You-Get) effect. This package interfaces with the fontware Installation kit for Aldus PageMaker (ISPN 07836-105), the kit for Ventura Publisher (ISPN 07836-106) or the kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 3.1+

5 1/4-inch disk

512K

\$195.00

Requirements: Fontware Installation Kit (ISPN 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$195.00

*Requirements: Fontware Installation Kit (ISPN 07836-176).***BITSTREAM, INC.****HEADLINES 4 SCALEABLE TYPEFACE PACKAGE****ISPN 07836-148**

Consists of four headline typefaces.

HEADLINES IV SCALEABLE TYPEFACE PACKAGE contains four typefaces - Coronet Bold, ITC ZAPF Chancery medium Italic, Clarendon and Clarendon bold - all in single weight. Use it to create matching screen and printer fonts for a true WYSIWYG (What-you-see-is-what-you-get) effect. This package interfaces with the Fontware Installation kit for Aldus PageMaker (ISPN 07836-105), the kit for Ventura Publisher (ISPN 07836-106) or the kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM**MEDIUM****MEMORY****PRICE**

| | | | |
|--|-----------------|------|----------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.**HEADLINES 5 SCALEABLE TYPEFACE PACKAGE****ISPN 07836-149**

Consists of four headline typefaces.

HEADLINES V SCALEABLE TYPEFACE PACKAGE contains four typefaces - Park Avenue, Handel Gothic, Futura Black and Dom Casual - all in single weight. Use it to create matching screen and printer fonts for a true WYSIWYG (What-You-See-Is-What-You-Get) effect. This package interfaces with the Fontware Installation kit for Aldus PageMaker (ISPN 07836-105), the kit for Ventura Publisher (ISPN 07836-106) or the kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM**MEDIUM****MEMORY****PRICE**

| | | | |
|--|-----------------|------|----------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.**HEADLINES 6 SCALEABLE TYPEFACE PACKAGE****ISPN 07836-150**

Choose from four headline typefaces. Creates type in virtually any size.

HEADLINES VI SCALEABLE TYPEFACE PACKAGE contains four typefaces - Mermaid, Gando, P.T. Barnum and Kaufmann Bold. Use them for any application such as posters, advertisements, flyers or other promotional materials. You can create fonts in virtually any size for several printers including the Hewlett Packard LaserJet Plus and Series II, any printers using the PostScript PDL and any printers using high- and low-resolution screen displays. You can even create matching screen and printer fonts for a true WYSIWYG(What You See Is What You Get) effect. This package interfaces with the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM**MEDIUM****MEMORY****PRICE**

| | | | |
|--|-----------------|------|----------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

ADOBE SYSTEMS, INC.

HELVETICA 1

ISPN 01012-138

Contains four variations of the Helvetica 1 script font suitable for use with any PostScript printer.

HELVETICA 1 contains 25 Ultra Light, 26 Ultra Light Italic, 95 Black and 26 Black Italic script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$185.00 |

ADOBE SYSTEMS, INC.

HELVETICA 2

ISPN 01012-139

Contains six variations of the Helvetica 2 script font for use with any PostScript printer.

HELVETICA 2 contains 35 Thin, 36 Thin Italic, 55 Roman, 56 Roman Italic, 75 Bold and 76 Bold Italic script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$275.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$275.00 |

ADOBE SYSTEMS, INC.

HELVETICA 3

ISPN 01012-126

Contains six variations of the Helvetica 3 script font suitable for use with any PostScript printer.

HELVETICA 3 contains 45 Light, 46 Light Italic, 65 Medium, 66 Medium Italic, 85 Heavy and 86 Heavy Italic script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$275.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$275.00 |

ADOBE SYSTEMS, INC.

HELVETICA CONDENSED

ISPN 01012-200

This system contains eight variations of the Helvetica condensed downloadable font for use with a PostScript compatible printer.

HELVETICA CONDENSED includes Helvetica Condensed Light, Helvetica Condensed Light Oblique, Helvetica Condensed, Helvetica Condensed Oblique, Helvetica Condensed Bold, Helvetica Condensed Bold Oblique, Helvetica Condensed Black and Helvetica Condensed Black Oblique fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$370.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$370.00 |

ADOBE SYSTEMS, INC.

HIROSHIGE

ISPN 01012-350

Contains eight variations of the Hiroshige script font suitable for use with any PostScript font.

HIROSHIGE contains Book, Book Italic, Medium, Medium Italic, Bold, Bold Italic, Black and Black Italic script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$370.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$370.00 |

ADOBE SYSTEMS, INC.

ITALIA

ISPN 01012-146

Contains three variations of the Italia downloadable font for use with any PostScript printer.

ITALIA provides Italia Book, Italia Medium, and Italia Bold font.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$145.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$145.00 |

ADOBE SYSTEMS, INC.

ITC AVANT GARDE GOTHIC

ISPN 01012-170

Provides four font variations of the ITC Avant Garde Gothic font.

ITC AVANT GARDE GOTHIC is font software you can use with any printer capable of generating postscripts. It contains four variations of the ITC Avant Garde Gothic downloadable font: Book, book oblique, demi and demi oblique.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
Requirements: PostScript printer.

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$185.00

BITSTREAM, INC.

ITC AVANT GARDE GOTHIC BOOK TYPEFACE PACKAGE

ISPN 07836-111

Choose from the ITC Avant Garde Gothic Book typeface family. Creates type in virtually any size.

ITC AVANT GARDE GOTHIC BOOK TYPEFACE PACKAGE contains the outlines of four weights from the ITC Avant Garde Gothic Book typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$195.00

Requirements: Fontware Installation Kit (ISPN 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$195.00

Requirements: Fontware Installation Kit (ISPN 07836-176).

ADOBE SYSTEMS, INC.

ITC BAUHAUS

ISPN 01012-386

Contains five variations of the ITC Bauhaus script font suitable for use with any PostScript printer.

ITC BAUHAUS contains Light, Medium, Demi, Bold and Heavy script fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$185.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$185.00

Requirements: PostScript printer.

ADOBE SYSTEMS, INC.

ITC BENGUIAT/ITC FRIZ QUADRATA

ISPN 01012-155

Offers four variations of two ICT fonts.

ITC BENGUIAT/ITC FRIZ QUADRATA is font software you can use with any printer capable of generating postscripts. It contains four down-loadable fonts: ITC Benguiat Book, ITC Benguiat Bold, ITC FrizQuadrata and ITC Quadrata Bold.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$185.00

Requirements: PostScript printer.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
Requirements: PostScript printer.

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$185.00

BITSTREAM, INC.**ITC BOOKMAN SCALEABLE TYPEFACE PACKAGE**

ISPN 07836-114

Choose from ITC Bookman Light typeface family. Creates type in virtually any size.

ITC BOOKMAN SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the ITC Bookman Light typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$195.00

Requirements: Fontware Installation Kit (ISPN 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$195.00

Requirements: Fontware Installation Kit (ISPN 07836-176).

ADOBE SYSTEMS, INC.**ITC CLEARFACE**

ISPN 01012-166

Contains eight variations of the ITC Clearface script font suitable for use with any PostScript printer.

ITC CLEARFACE contains Regular, Regular Italic, Bold, Bold Italic, Heavy, Heavy Italic, Black and Black Italic script fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$370.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$370.00

Requirements: PostScript printer.

BITSTREAM, INC.**ITC GALLIARD SCALEABLE TYPEFACE PACKAGE**

ISPN 07836-124

Choose from the ITC Galliard typeface family. Creates type in virtually any size.

ITC GALLIARD SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights of the ITC Galliard typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

ADOBE SYSTEMS, INC.**ITC GARAMOND****ISPN 01012-185**

Provides four font variations of the ITC Garamond font.

ITC GARAMOND is font software you can use with any printer capable of generating postscripts. It contains 4 variations of the ITC Garamond down-loadable font: Light, light italic, bold and bold italic.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$185.00 |

BITSTREAM, INC.**ITC GARAMOND CONDENSED SCALEABLE TYPEFACE PACKAGE****ISPN 07836-126**

Choose from the ITC Garamond Condensed typeface family. Creates type in virtually any size.

ITC GARAMOND CONDENSED SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the ITC Garamond Condensed typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

ADOBE SYSTEMS, INC.**ITC KABEL****ISPN 01012-301**

Contains five variations of the ITC Kabel script font suitable for use with any PostScript printer.

ITC KABEL contains Book, Medium, Demi, Bold and Ultra script fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+
Requirements: PostScript printer.
 APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
Requirements: PostScript printer.

MEDIUM

5 1/4-inch disk
 3 1/2-inch disk

MEMORY

640K
 512K

PRICE

\$185.00
 \$185.00

BITSTREAM, INC.

ITC KORINNA REGULAR SCALEABLE TYPEFACE PACKAGE

ISPN 07836-129

The ITC Korinna Regular typeface family. Creates type in virtually any size.

ITC KORINNA REGULAR SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the ITC Korinna Regular typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+
Requirements: Fontware Installation Kit (ISPN 07836-176).
 IBM/MICROSOFT PC/MS-DOS 3.1+
Requirements: Fontware Installation Kit (ISPN 07836-176).

MEDIUM

5 1/4-inch disk
 3 1/2-inch disk

MEMORY

512K
 512K

PRICE

\$195.00
 \$195.00

ADOBE SYSTEMS, INC.

ITC LUBALIN GRAPH

ISPN 01012-205

Provides four font variations of the ITC Lubalin Graph font.

ITC LUBALIN GRAPH is font software you can use with any printer capable of generating postscripts. It contains four variations of the ITC Lubalin Graph downloadable font: Book, book oblique, demi and demi oblique.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+
Requirements: PostScript printer.
 APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
Requirements: PostScript printer.

MEDIUM

5 1/4-inch disk
 3 1/2-inch disk

MEMORY

640K
 512K

PRICE

\$185.00
 \$185.00

BITSTREAM, INC.

ITC LUBALIN GRAPH SCALEABLE TYPEFACE PACKAGE

ISPN 07836-156

Choose from the ITC Lubalin Graph typeface family. Creates type in virtually any size.

ITC LUBALIN GRAPH SCALEABLE TYPEFACE PACKAGE contains four ITC Lubalin Graph types - book, medium, demi and bold. Use it to create fonts in virtually any size for several printers including the Hewlett Packard LaserJet Plus and Series II, any

printers using the PostScript PDL and any printers using high- and low-resolution screen displays. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105) or the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

ADOBE SYSTEMS, INC.

ITC SERIF GOTHIC

ISPN 01012-319

Contains six variations of the ITC Serif Gothic script font suitable for use with any PostScript printer.

ITC SERIF GOTHIC contains ITC Serif Gothic, Light, Bold, Extra Bold, Heavy and Black script fonts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$275.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$275.00 |

ADOBE SYSTEMS, INC.

ITC SOUVENIR

ISPN 01012-215

Offers four font variations of the ITC Souvenir font.

ITC SOUVENIR is font software you can use with any printer capable of generating postscripts. It contains four variations of the ITC Souvenir down-loadable font: Light, light italic, demi and demi italic.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$185.00 |

BITSTREAM, INC.

ITC SOUVENIR LIGHT SCALEABLE TYPEFACE PACKAGE

ISPN 07836-135

Choose from the ITC Souvenir Light typeface family. Creates type in virtually any size.

ITC SOUVENIR LIGHT SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the ITC Souvenir Light typeface family. Use it to create matching screen

and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.

ITC TIFFANY SCALEABLE TYPEFACE PACKAGE

ISPN 07836-139

Choose from the ITC Tiffany typeface family. Creates type in virtually any size.

ITC TIFFANY SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the ITC Tiffany typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Package for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

ADOBE SYSTEMS, INC.

ITC ZAPF CHANCERY/ITC ZAPF DINGBATS

ISPN 01012-240

Provides three font variations of ITC Zapf fonts.

ITC ZAPF CHANCERY/ITC ZAPF DINGBATS is font software you can use with any printer capable of generating postscripts. It contains ITC Zapf Chancery, Medium and ITC Zapf Dingbats.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$145.00 |
| <i>Requirements: PostScript printer.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$145.00 |
| <i>Requirements: PostScript printer.</i> | | | |

ADOBE SYSTEMS, INC.

KAUFMANN

ISPN 01012-451

A typeface that looks like 'American Graffiti' and has the spirit of the '50s.

KAUFMANN was designed by Max R. Kaufmann in 1936. KAUFMANN is a monotone script of medium weight.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$145.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$145.00 |

LETRASET USA**LETRASET FONTS****ISPN 44293-475**

Font typefaces that come with a complete character set including alternative, incidentals, accents and symbols.

LETRASET FONTS offers various font programs such as Romic, Princetown, Premier, Helvetica, Harlow, Gothic, Freestyle Script, Frankfurter, Crillee, Corinthian, Compacta, Commercial Script, Caxton and more. Each individual font package is priced at \$75. Please specify desired font when ordering.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: Price indicated is for each individual font package. Please specify desired font when ordering.</i> | 3 1/2-inch disk | 1024K | \$75.00 |

BITSTREAM, INC.**LETTER GOTHIC (12 PITCH)SCALEABLE
TYPEFACE PACKAGE****ISPN 07836-130**

Choose from the Letter Gothic typeface family in 12 pitch. Creates type in virtually any size.

LETTER GOTHIC (12 PITCH) SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Letter Gothic typeface family in 12 pitch. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

ADOBE SYSTEMS, INC.**MEMPHIS****ISPN 01012-236**

Contains seven variations of the Memphis font for use with any PostScript compatible printer.

MEMPHIS provides Memphis Light, Memphis Light Italic, Memphis Medium, Memphis Medium Italic, Memphis Bold, Memphis Bold Italic and Memphis Extra Bold fonts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

*Requirements: PostScript printer.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

640K

512K

PRICE

\$370.00

\$370.00

MICROGRAFX, INC.**MILITARY CLIPART LIBRARY****ISPN 52493-140**

A collection of military symbols and drawings which can be pasted into virtually any Windows application.

Each symbol can be stretched, resized, flipped, rotated, and manipulated in Micrografx Designer (ISPN 52493-050), Graph Plus (ISPN 52493-820), and Draw (ISPN 52493-800). Drawn with lines and curves, every symbol can be infinitely modified, then printed at the highest resolution possible. Includes Micrografx Portfolio, an application designed to enable the user to select an individual symbol or image, copy it to the Windows Clipboard, and paste it into virtually any other Windows application, such as PageMaker (ISPN 02226-700) or Micrografx Graph Plus. Symbols can be saved in a file with a PIC, DRW, or GRF extension and subsequently opened in a Windows application. Requires no installation to use with Micrografx Portfolio or other compatible programs. Most symbols are combined symbols. Each was created from several smaller symbols. All the symbols then were combined into one complex symbol. Many of the combined symbols contain components that are useful by themselves. Combined symbols can be selected and broken apart, allowing the original symbol to be used by itself. Clipart files can be kept intact by saving them (or the symbols they contain) as new files under a different name. Symbols can be copied from separate files and combined as needed. New symbols can be created as well. Includes drawings of airplanes, fighter planes, helicopters, and tanks.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

Requirements: Microsoft Windows/286 (ISPN 53150-735), Microsoft Windows/386 (ISPN 53150-736), or compatible program.

IBM/MICROSOFT PC/MS-DOS 3.1+

*Requirements: Microsoft Windows/286 (ISPN 53150-735), Microsoft Windows/386 (ISPN 53150-736), or compatible program.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

512K

512K

PRICE

\$79.95

\$79.95

BITSTREAM, INC.**MONOSPACED I SCALEABLE TYPEFACE PACKAGE****ISPN 07836-160**

Choose from four fixed-space typefaces. Creates type in virtually any size.

MONOSPACED I SCALEABLE TYPEFACE PACKAGE contains four fixed-space typefaces - Pica, Script, Orator and Swiss. Use it to create fonts in virtually any size for several printers including the Hewlett Packard LaserJet Plus and Series II, any printers using the PostScript PDL and any printers using high- and low-resolution screen displays. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 3.1+

5 1/4-inch disk

512K

\$195.00

Requirements: Fontware Installation Kit (ISPEN 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$195.00

*Requirements: Fontware Installation Kit (ISPEN 07836-176).***ADOBE SYSTEMS, INC.****NEW CALEDONIA****ISPEN 01012-549**

Contains eight variations of the New Caledonia script font suitable for use with any PostScript printer.

NEW CALEDONIA contains New Caledonia, Italic, Semi Bold, Semi Bold Italic, Bold, Bold Italic, Black and Black Italic script fonts.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

640K

\$370.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$370.00

*Requirements: PostScript printer.***ADOBE SYSTEMS, INC.****NEW CENTURY SCHOOLBOOK****ISPEN 01012-245**

Provides four font variations of the New Century Schoolbook font.

NEW CENTURY SCHOOLBOOK is font software you can use with any printer capable of generating postscripts. It contains contains four variations of the New Century Schoolbook down-loadable font: Regular, italic, bold and bold italic.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

640K

\$185.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$185.00

*Requirements: PostScript printer.***BITSTREAM, INC.****NEWS GOTHIC SCALEABLE TYPEFACE PACKAGE****ISPEN 07836-131**

Choose from the News Gothic typeface family. Creates type in virtually any size.

NEWS GOTHIC SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the News Gothic typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPEN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPEN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPEN 07836-107).

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 3.1+

5 1/4-inch disk

512K

\$195.00

Requirements: Fontware Installation Kit (ISPEN 07836-176).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$195.00

*Requirements: Fontware Installation Kit (ISP# 07836-176).***ADOBE SYSTEMS, INC.****OPTIMA****ISP# 01012-255**

Provides four font variations of the Optima font.

OPTIMA is font software you can use with any printer capable of generating postscript output. It contains contains four variations of the Optima down-loadable font: Regular, Oblique, Bold and Bold Oblique.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$185.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$185.00

*Requirements: PostScript printer.***BITSTREAM, INC.****PRESTIGE (12 PITCH) SCALEABLE TYPEFACE PACKAGE****ISP# 07836-132**

Choose from the Prestige typeface family in 12 pitch. Creates type in virtually any size.

PRESTIGE (12 PITCH) SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Prestige typeface family in 12 pitch. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISP# 07836-105), the Fontware Installation Kit for Ventura Publisher (ISP# 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISP# 07836-107).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$195.00

Requirements: Fontware Installation Kit (ISP# 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$195.00

*Requirements: Fontware Installation Kit (ISP# 07836-176).***BRODERBUND SOFTWARE, INC.****PRINT SHOP GRAPHICS LIBRARY-PARTY EDITION****ISP# 08850-160**

Includes 186 high-resolution color and multi-color graphics, covering popular party themes.

Provides dozens of multi-color graphics borders, backgrounds, pixel patterns, and letterhead. Includes 75 multi-color graphics, 16 multi-color full panels, five multi-color letterheads, 20 multi-color and ten monochrome borders, 20 multi-color and ten monochrome background patterns, ten multi-color and ten monochrome pixel patterns and ten fonts. Themes include birthdays and anniversaries, weddings, welcome home parties, dances, pool or beach parties, graduation receptions, slumber and surprise

parties, Halloween and Thanksgiving celebrations and Christmas. Other themes include open houses, New Year's Eve dances, showers, Valentine's day, school, office or club get-togethers, house warmings, sports, and events.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$34.95 |
| <i>Requirements: Print Shop IIGS (ISPN 08850-549).</i> | | | |

BITSTREAM, INC.

PROVENCE SCALEABLE TYPEFACE PACKAGE

ISPN 07836-157

Print with the Provence typeface family. Creates type in virtually any size.

PROVENCE SCALEABLE TYPEFACE PACKAGE contains four Provence typestyles - Roman, italic, black and compact. Use it to create fonts in virtually any size for several printers including the Hewlett Packard LaserJet Plus and Series II, any printers using the PostScript PDL and any printers using high- and low-resolution screen displays. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

TIMEWORKS, INC.

PUBLISH IT! FONT PACK 1

ISPN 82000-606

Choose from over 1,000 possible typestyle combinations. Offers a variety of point size and typeface.

PUBLISH IT! FONT PACK 1 increases your choice of headlines, special effects and text typefaces - all in a wide range of sizes. Vary the point size and typestyle for each of the eight fonts and you come up with over 1000 possible combinations. Create text as small as seven points. Generate headlines as big as 72 points. Choose bold, italic, underlined, outlined, shadows and superscript or subscript characters. PUBLISH IT! FONT PACK 1 is designed for use with Publish It! (ISPN 82000-601).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$39.95 |
| <i>Requirements: Publish It! (ISPN 82000-601).</i> | | | |

ADOBE SYSTEMS, INC.

PUBLISHING PACK I (NEWSLETTERS)

ISPN 01012-600

Contains a collection of specially-selected fonts suitable for use in newsletters.

PUBLISHING PACK I (NEWSLETTERS) contains the following packages: Centuries Old Style (ISPN 01012-120), ITC Franklin Gothic (ISPN 01012-175) and ITC Galliard (ISPN 01012-180).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$395.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$395.00 |

ADOBE SYSTEMS, INC.

PUBLISHING PACK II (FORMS AND SCHEDULES)

ISPN 01012-601

Contains a collection of specially-selected fonts suitable for forms and schedules.

PUBLISHING PACK II (FORMS AND SCHEDULES) includes the following packages: News Gothic (ISPN 01012-250), Lucida (ISPN 01012-225) and Univers (ISPN 01012-315).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$475.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$475.00 |

ADOBE SYSTEMS, INC.

PUBLISHING PACK III (PRESENTATIONS)

ISPN 01012-602

Contains a collection of specially-selected fonts suitable for use in publications.

PUBLISHING PACK III (PRESENTATIONS) includes the following packages: ITC Lubalin Graph (ISPN 01012-205), Helvetica Condensed (ISPN 01012-200) and ITC New Baskerville (ISPN 01012-210).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$475.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$475.00 |

BITSTREAM, INC.

SERIFA SCALEABLE TYPEFACE PACKAGE

ISPN 07836-133

Choose from the Serifa typeface family. Creates type in virtually any size.

SERIFA SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Serifa typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 5 1/4-inch disk | 512K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | 3 1/2-inch disk | 512K | \$195.00 |

ADOBE SYSTEMS, INC.**SONATA****ISPN 01012-300**

Downloadable fonts that support music notation suitable for any PostScript compatible printer.

SONATA is designed for use in high quality music publishing. Contains a character set of over 170 symbols, including many composites. Can be used with appropriate music setting applications to produce printed music.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$95.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$95.00 |

ADOBE SYSTEMS, INC.**STEMPEL GARAMOND****ISPN 01012-276**

Contains four variations of the Stempel Garamond script font suitable for use with any PostScript printer.

STEMPEL GARAMOND contains Garamond, Garamond Italic, Garamond Bold and Garamond Bold Italic script fonts.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$185.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$185.00 |

ADOBE SYSTEMS, INC.**STENCIL/HOBO/BRUSHSCRIPT****ISPN 01012-280**

Contains Stencil, Hobo and Brush Script PostScript downloadable fonts.

STENCIL/HOBO/BRUSH SCRIPT includes three fonts. Stencil is designed to emulate template letters. It is suitable for special effects, signage and stamps that demand attention. Hobo is a novelty face with a 'Gee whiz! Look at me!' personality. It's friendly, comical and the only typeface that has no descenders in its lowercase characters. Brush Script's irregular design gives it the look of being hand-drawn with a broad brush with the lowercase letters connecting to each other.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

*Requirements: PostScript printer.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

640K

512K

PRICE

\$145.00

\$145.00

BITSTREAM, INC.**SWISS CONDENSED SCALEABLE TYPEFACE PACKAGE****ISPN 07836-137**

Choose from the Swiss Condensed typeface family. Creates type in virtually any size.

SWISS CONDENSED SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Swiss Condensed typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

Requirements: Fontware Installation Kit (ISPN 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

*Requirements: Fontware Installation Kit (ISPN 07836-176).***MEDIUM**

3 1/2-inch disk

5 1/4-inch disk

MEMORY

512K

512K

PRICE

\$195.00

\$195.00

BITSTREAM, INC.**SWISS LIGHT SCALEABLE TYPEFACE PACKAGE****ISPN 07836-138**

Choose from the Swiss Light typeface family. Creates type in virtually any size.

SWISS LIGHT SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Swiss Light typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1+

Requirements: Fontware Installation Kit (ISPN 07836-176).

IBM/MICROSOFT PC/MS-DOS 3.1+

*Requirements: Fontware Installation Kit (ISPN 07836-176).***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

512K

512K

PRICE

\$195.00

\$195.00

BITSTREAM, INC.**SWISS SCALEABLE TYPEFACE PACKAGE****ISPN 07836-136**

Choose from the Swiss typeface family. Creates type in virtually any size.

SWISS SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Swiss typeface family. Use it to create matching screen and printer fonts for a true

WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.

SYMBOLS I SCALEABLE TYPEFACE PACKAGE

ISPN 07836-161

Take advantage of sets in three typefaces. Creates type in virtually any size.

SYMBOLS I SCALEABLE TYPEFACE PACKAGE contains three typefaces - Symbol A Proportional Serif, Symbol A Monospaced Sanserif and ITC Zapf Dingbats. The typefaces are divided into several subsets. The subsets for the Symbol A typefaces include four Hewlett Packard math sets - HP PI, HP Line Draw, HP PC Line and PostScript Symbol. The ITC Zapf Dingbats subsets are Dingbats 100, Dingbats 200, Dingbats 300 and PostScript Dingbats. Your ability to access the full range of subsets depends on what applications software program you use. Use the mathematical symbols to illustrate equations of any complexity. You have the symbols required for spreadsheets, engineering and other applications. Certain characters, such as scissors, pencils, stars and trademarks, are helpful for ad designs. Others, such as smiling faces and card deck suits, can be used for decoration. Use SYMBOLS I FONTWARE TYPEFACE PACKAGE to create symbol fonts in virtually any size for several printers including the Hewlett Packard LaserJet Plus and Series II, any printers using the PostScript PDL and any printers using high- and low-resolution screen displays. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107). Note that this package cannot be used with the installation utilities built into Page Perfect and Canon Express.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

GENERIC SOFTWARE, INC.

SYMBOLS LIBRARY-TYPE FONTS-II

ISPN 32537-836

Provides four variations of bold outline font styles.

SYMBOLS LIBRARY-TYPE FONTS-II is software you can use to create documents in any of four bold outline font styles - Helvetica, Times Roman, Typewriter and Frankfurter.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$34.95

*Requirements: Generic Cadd (ISPN 32537-330, 340 or 350).***ADOBE SYSTEMS, INC.****TRUMP MEDIAEVAL****ISPN 01012-305**

Variations of the Trump Mediaeval font. Offers four font variations.

TRUMP MEDIAEVAL is font software you can use with any printer capable of generating postscript output. It contains four variations of the Trump Mediaeval down-loadable font: Regular, italic, bold and bold italic.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$185.00

Requirements: PostScript printer.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$185.00

*Requirements: PostScript printer.***MICROGRAFX, INC.****U.S. MAPS CLIPART LIBRARY****ISPN 52493-130**

A collection of United States maps which can be cut and pasted into virtually any Windows application.

Each symbol can be stretched, resized, flipped, rotated, and manipulated in Micrografx Designer (ISPN 52493-050), Graph Plus (ISPN 52493-820), and Draw (ISPN 52493-800). Drawn with lines and curves, every symbol can be infinitely modified, then printed at the highest resolution possible. Includes Micrografx Portfolio, an application designed to enable the user to select an individual symbol or image, copy it to the Windows Clipboard, and paste it into virtually any other Windows application, such as PageMaker (ISPN 02226-700) or Micrografx Graph Plus. Symbols can be saved in a file with a PIC, DRW, or GRF extension and subsequently opened in a Windows application. Requires no installation to use with Micrografx Portfolio or other compatible programs. Most symbols are combined symbols. Each was created from several smaller symbols. All the symbols then were combined into one complex symbol. Many of the combined symbols contain components that are useful by themselves. Combined symbols can be selected and broken apart, allowing the original symbol to be used by itself. Clipart files can be kept intact by saving them (or the symbols they contain) as new files under a different name. Symbols can be copied from separate files and combined as needed. New symbols can be created as well.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$149.95

Requirements: Microsoft Windows/286 (ISPN 53150-735), Microsoft Windows/386 (ISPN 53150-736), or compatible program.

IBM/MICROSOFT PC/MS-DOS 3.X

3 1/2-inch disk

512K

\$149.95

Requirements: Microsoft Windows/286 (ISPN 53150-735), Microsoft Windows/386 (ISPN 53150-736), or compatible program.

ADOBE SYSTEMS, INC.

UNIVERS

ISPN 01012-315

Contains eight Univers PostScript downloadable fonts.

UNIVERS fonts include Univers Light 45, Univers Light Oblique, Univers 55, Univers Oblique, Univers Bold 65, Univers Bold Oblique, Univers Black 75 and Univers Black Oblique.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$370.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$370.00 |

ADOBE SYSTEMS, INC.

UNIVERS CONDENSED

ISPN 01012-320

Contains six Univers Condensed PostScript downloadable fonts.

Contains Univers Condensed Light, Univers condensed Light Oblique, Univers Condensed, Univers Condensed Oblique, Univers Condensed Bold and Univers Condensed Bold Oblique.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$275.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$275.00 |

ADOBE SYSTEMS, INC.

UNIVERSAL NEWS + COMMERCIAL PI/UNIVERSAL GREEK

ISPN 01012-781

A collection of commonly-used mathematical characters and symbols.

UNIVERSAL NEWS + COMMERCIAL PI/UNIVERSAL GREEK + MATH PI contains boxes, stars, arrows and various typographic symbols that are useful for newspaper and commercial publishing. In hand-set metal type, 'pi' refers to type that has been spilled and indiscriminately mixed. In phototypesetting, though, the term 'pi characters,' or pi fonts, refers to a potpourri of special characters such as math, monetary or decorative symbols.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: PostScript printer.</i> | 5 1/4-inch disk | 640K | \$145.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: PostScript printer.</i> | 3 1/2-inch disk | 512K | \$145.00 |

DUBL-CLICK SOFTWARE, INC.**WETPAINT (VOL. 1-2) CLASSIC CLIP****ISPN 26806-450**

Over 2,000 clip art borders, symbols and more for home or business use.

WETPAINT contains paint files that can be read by MacPaint (ISPN 12784-510), SuperPaint (ISPN 70237-020) and other paint style programs. The images are designed for both home and business use. Includes an instruction manual with print out of all files, desk top accessories, pattern mover and Art Round Up. Also available in picture base format.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$79.95 |
| <i>Requirements: Two 800K disk drives, MacPaint (ISPN 12784-510) or compatible program.</i> | | | |

SPRINGBOARD SOFTWARE**WORKS OF ART-ASSORTMENT SERIES SAMPLER****ISPN 75309-015**

Contains 500 clip-art items covering topics such as business, farming, celebrations, holidays and more.

WORKS OF ART-ASSORTMENT SERIES SAMPLER includes flowers, vehicles, sports, school, scenery, religion, pets, music, maps, kids, homes, headings and computers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| <i>Requirements: PC Paintbrush (ISPN 97803-610) or compatible format.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$39.95 |
| <i>Requirements: PC Paintbrush (ISPN 97803-610) or compatible format.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |
| <i>Requirements: MacPaint (ISPN 12784-510) or HyperCard (ISPN 03900-300). Note: 1 MB of RAM needed if used with HyperCard.</i> | | | |

SPRINGBOARD SOFTWARE**WORKS OF ART-HOLIDAY SERIES SAMPLER****ISPN 75309-300**

Contains 500 clip-art items covering all major holidays, special days and famous people.

WORKS OF ART-HOLIDAY SERIES SAMPLER includes anniversaries, Arbor Day, birthdays, Christmas, Columbus Day, Easter, engagements, Father's day, Flag day, Fourth of July, graduation, Grandparent's day, Groundhog day, Halloween, Labor day, Martin Luther King day, Memorial day, Mother's day, New Year's Eve, President's day, Religious holidays, St. Patrick's day, Secretary's day, Thanksgiving, vacations, Valentine's day, Veteran's day and weddings.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 128K | \$39.95 |

BITSTREAM, INC.

ZAPF CALLIGRAPHIC SCALEABLE TYPEFACE PACKAGE

ISPN 07836-140

Choose from the ZAPF Calligraphic typeface family. Creates type in virtually any size.

ZAPF CALLIGRAPHIC SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the ZAPF Calligraphic typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG(What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.

ZAPF ELLIPTICAL SCALEABLE TYPEFACE PACKAGE

ISPN 07836-141

Choose from the ZAPF Elliptical typeface family. Creates type in virtually any size.

ZAPF ELLIPTICAL SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the ZAPF Elliptical typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG(What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.

ZAPF HUMANIST SCALEABLE TYPEFACE PACKAGE

ISPN 07836-142

Choose from the ZAPF Humanist typeface family. Creates type in virtually any size.

ZAPF HUMANIST SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the ZAPF Humanist typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the

Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.

ZURICH CONDENSED SCALEABLE TYPEFACE PACKAGE

ISPN 07836-159

Choose from the Zurich Condensed typeface family. Creates type in virtually any size.

ZURICH CONDENSED SCALEABLE TYPEFACE PACKAGE contains four Zurich Condensed typestyle - condensed, condensed italic, bold extended and black extended. Use it to create fonts in virtually any size for several printers including the Hewlett Packard LaserJet Plus and Series II, any printers using the PostScript PDL and any printers using high- and low-resolution screen displays. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus Pagemaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

BITSTREAM, INC.

ZURICH LIGHT SCALEABLE TYPEFACE PACKAGE

ISPN 07836-144

Choose from the Zurich Light typeface family. Creates type in virtually any size.

ZURICH LIGHT SCALEABLE TYPEFACE PACKAGE contains the outlines of four weights from the Zurich Light typeface family. Use it to create matching screen and printer fonts for a true WYSIWYG (What You See Is What You Get) effect. This package requires the Fontware Installation Kit for Aldus PageMaker (ISPN 07836-105), the Fontware Installation Kit for Ventura Publisher (ISPN 07836-106) or the Fontware Installation Kit for Lotus Manuscript (ISPN 07836-107).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Fontware Installation Kit (ISPN 07836-176).</i> | | | |

127 PRODUCTIVITY/GRAPHICS/DESKTOP PUBLISHING

ADOBE SYSTEMS, INC.**ADOBE ILLUSTRATOR 88****ISPN 01012-060**

Assists artists in producing high quality illustrations with a PostScript drawing tool.

ADOBE ILLUSTRATOR 88 combines the control and fine detail of drawing by hand with the speed and mathematical precision of the computer. Based on POSTSCRIPT and uses precise curves and lines to describe drawings. The user can create new illustrations or 'trace' existing artwork, add captions, then modify the artwork in a number of ways. The final product is professional quality line art and illustrations that can be used on their own or placed in other documents and printed on any POSTSCRIPT equipped printer such as the Apple LaserWriter or typesetters like the Linotronic 300. Use scanned images from a photo, logotype, blueprints, rough sketches, a piece of art from a scrap file, or a MacPaint image. Instead of building the drawing with crude dots, it uses a unique pen tool that enables the user to 'trace' shapes then fill in all or part of the image, adjust lines to any weight, and add captions. Contains a free hand and an auto trace tool. The auto trace tool can automatically trace over a bit mapped image. Once the image has been traced the user can modify the illustration with other tools. Provides a blending or interpolation tool and a resolution-independent pattern-fill feature. The blending tool allows the user to dynamically create effects such as highlighting, contouring, airbrushing and shading. The blending tool can also be used to blend shapes and line weights. The pattern-fill feature provides the ability to create patterns. The user may direct the program to fill a specified area with a selected pattern. Users may create custom and overlay patterns for an unlimited variety of textures and cross-hatching effects. Users can create on-screen color images. Provides over 700 Pantone colors. Users can create color separations and can print on the QMS ColorScript 100 printer. The on-screen previewing capability is available in color. Upgrades are available for free for those who bought Adobe Illustrator (ISPN 01012-50) after January 14, 1988.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |

Requirements: PostScript or QMS ColorScript 100 printer.

ADOBE SYSTEMS, INC.**ADOBE ILLUSTRATOR-WINDOWS VERSION****ISPN 01012-050**

A powerful art production tool for producing high quality line art and illustrations.

ADOBE ILLUSTRATOR-WINDOWS VERSION combines the control and fine detail of drawing by hand with the speed and mathematical precision of the computer. Based on POSTSCRIPT and uses precise curves and lines to describe drawings. The user can create new illustrations or 'trace' existing artwork, add captions, then modify the artwork in an endless number of ways. The final product is professional quality line art and illustrations that can be used on their own or placed in other documents and printed on any POSTSCRIPT equipped printer. You can use virtually anything: Scanned images from a photo, logotypes, blueprints, rough sketches, a piece of art from a scrap file, or any image. Instead of building the drawing with crude dots, it uses a unique pen tool

that enables the user to 'trace' shapes then fill in all or part of the image, adjust lines to any weight, and add captions. The drawing, or any object in the drawing including text, can be rotated to any angle, scaled, skewed, and manipulated to create special effects.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.1 +
IBM/MICROSOFT PC/MS-DOS 3.1 +

MEDIUM

5 1/4-inch disk
3 1/2-inch disk

MEMORY

640K
640K

PRICE

\$695.00
\$695.00

ADOBE SYSTEMS, INC.

ADOBE STREAMLINE

ISPN 01012-070

Streamlines the art production process by automatically converting a bitmapped file into an Adobe Illustrator file or an EPS file.

With ADOBE STREAMLINE, you can process files in batches or one at a time, and select specific portions of the artwork to be traced. Use the program to render long, elegant curves, finely-detailed straight lines, or both. Gives you complete control over the tracing and file conversion process. ADOBE STREAMLINE reads these input formats: TIFF, PICT and MacPaint (ISPN 12784-510). It is recommended that you use high-resolution scanned black and white images such as 300 dpi TIFF files. The program will not convert files that contain varying levels of gray, color, continuous tones or halftones. Tracing methods include outline tracing, centerline tracing, and a combination of outline and centerline tracing. Outputs the following file types: Encapsulated PostScript (EPS) for the Macintosh, Encapsulated PostScript for the IBM PC and compatibles, and Adobe Illustrator files which may be read into either Adobe Illustrator 88 (ISPN 01012-060) or Adobe Illustrator-Windows Version (ISPN 01012-050). You can reverse images to convert or create a blueprint. You can also build a MacPaint template out of a high-resolution TIFF file so you can reference the artwork in Adobe Illustrator 88. Enables you to select specific parts of an image to convert, choose from five levels of 'match bitmap tolerance' and output curves, straight lines or both. It is possible to use the default settings and let the program decide what to do.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$395.00

Requirements: Apple system software 4.2 or higher, Adobe Illustrator 88 (ISPN 01012-060).

ALDUS CORP.

ALDUS FREEHAND (VER. 2.02)

ISPN 02226-100

A comprehensive drawing program with a wide range of drawing tools for producing high-quality graphics on the Apple Macintosh.

ALDUS FREEHAND contains drawing tools for basic shapes, lines, rectangles, rounded rectangles, ellipses, freehand sketch tools with full editing capabilities and PostScript language line and curve tools. Special effects include graduated, radial, customized fills, the ability to define beginning and ending colors for graduated and radial fills, graphics and text transformations that include scaling, rotation, reflection and skewing. Allows up to 256 colors to be displayed on Macintosh II color monitors with user-defined screen percentages for printing color tints, and color separations for process colors (CMYK), spot colors or a combination. Allows placement of a line of text along any graphic with automatic or manual kerning, variable letter, word and line spacing, mixed typefaces, styles, sizes and colors within a text block. Editing features include undo and redo

options for the last eight actions, seven layers of screen magnification, the ability to edit in preview mode, group/ungroup and lock/unlock commands, automatic alignment of multiple elements, snap-to-rulers, user-defined rule lengths and an on-screen information bar showing size, position, angle and relative change in mathematical increments. Allows up to 200 independent, user-assigned layers, with the ability to selectively view or activate different layers. Comes with user manual with a step-by-step tutorial and interactive, animated training disks. Supports Macintosh compatible monitors, printers and mouse. Technical assistance available at (206)628-2320.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |
| <i>Requirements: Two 800K disk drives or a hard disk, and a PostScript printer.</i> | | | |

ALDUS CORP.

ALDUS PAGEMAKER FOR MACINTOSH (VER. 3.02) **ISP# 02226-700**

Integrates text and graphics allowing Macintosh users to design, edit and produce printed communications within an office setting.

ALDUS PAGE MAKER FOR MACINTOSH brings production in house, giving Macintosh users complete flexibility and control over the design and production process. Builds on developer's original interactive desktop publishing platform to address the communication needs of both business and creative professionals. Adds support for long documents, expanded graphics capabilities, user interface enhancements and a variety of built-in templates. Features include: Automatic text flow through an entire document; user-defined style sheets; 20 complete page designs (templates) for business materials; support for spot color; automatic text wrap around graphics; image controls for scanned photographs; and bit-map illustrations. Accepts documents produced using the PC version of PageMaker as well as formatted text files from many PC-based word processors. In combination with a laser printer, produces near-typeset quality output and combined with a Linotronic, produces typeset-quality output at resolutions of up to 2,540 dots per inch. Requires System file version 4.1 and Finder version 5.5 or higher. Available in eight languages. Technical assistance available at (206)628-2320.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$595.00 |
| <i>Requirements: Hard disk, LaserWriter printer.</i> | | | |

ALDUS CORP.

ALDUS PAGEMAKER FOR PC (VER. 3.0) **ISP# 02226-701**

Integrates text and graphics allowing PC users to design, edit and produce printed communications within an office setting.

ALDUS PAGE MAKER FOR PC (VER. 3.0) addresses the communications needs of both business and creative professionals. Supports long documents, expanded graphics capabilities, user interface enhancements and compatibility with dozens of new software and hardware products. Features include: Automatic text flow through an entire document; user-defined style sheets; 20 complete page designs (templates) for business materials; support for color; automatic text wrap around rectangular graphics; custom text wrap for irregularly shaped graphics and image controls for brightness, contrast and special effects. PAGE MAKER FOR PC is packaged with Bitstream's

Fontware (ISPN 07836-100) font generator and 10 font outlines for creating PCL printer fonts. Includes the system's own soft font installer for loading other PCL fonts and its own run-time version of the Microsoft Windows 2.0 operating environment. Shares publication files with the Macintosh version of PAGEMAKER (ISPN 02226-700). Produces near-typeset-quality output on a laser printer and is capable of producing true typeset-quality output at high resolutions on an imagesetter. Available in 10 languages. Supports Windows compatible monitors, printers and mouse. For technical assistance call (206)628-2320.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$795.00

*Requirements: Mouse.***SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.****ART STUDIO****ISPN 75175-100**

A paint and graphics package that permits user creativity, and has dot, line, arc, ellipse, circle and box-drawing capabilities.

ART STUDIO performs imaging and editing techniques usually found with more expensive packages. You can draw a wide array of lines and shapes, and color your shapes with a 'non-leak' fill function. Drawing enhancement is made easy with an adjustable eraser, various airbrushes and a clipboard routine for cutting, pasting and filling images. The 'screen capture' feature allows you to transfer images from other programs like Lotus 1-2-3 (ISPN 45525-050) and Pfs: Graph (ISPN 73300-150), then modify them as you wish. The text facility lets you 'spray' or type text, or even move text letter-by-letter to anywhere on the screen.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$14.95

*Requirements: CGA, double-sided disk drive.***INTRACORP, INC.****BUSINESS CARD MAKER (VER. 2.1)****ISPN 40531-600**

Includes a drawing and font program which allows the user to design and develop business cards.

BUSINESS CARD MAKER provides the user with many prestored logos to choose from, or design one using the complete logo maker that is included in the program. Select the type style, type size, and type placement desired. Includes 500 cards so the user can print his own cards, and more can be ordered from the publisher whenever needed. Offers many font character styles. Ability to import print shop or printmaster icons. Includes HP and Okidata Laser drivers on line, driver for the Okidata 192 printer, driver for the Tandy DMP 130 printer, drivers for the Epson series of printers.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$59.95

ASHTON-TATE**BYLINE****ISPN 05500-078**

Imports data from business and graphics programs for desktop publishing design.

Directly imports Lotus, PIC files and graphics created by MacPaint, Publisher's PicturePak For Byline, and PC Paintbrush. Directly imports and exports files to major word-processing packages such as MultiMate, WordPerfect, WordStar, and XyWrite. Directly imports text, worksheets and data from major business productivity software such as MultiMate, dBase, and Lotus 1-2-3. Retains styling when importing files. Columnar data is imported in columns. Graphics images can be scaled, cropped, sized and positioned either by typing precise measurements or interactively on a formatted page. Imports graphics and photos produced by any scanner which converts images to PC Paintbrush format. Dates, time and page numbers can be placed anywhere on a page in a variety of international formats and are updated automatically. Pages can be referred to by number or name. Includes word-processing features such as superscript, subscript, bold, italics, strike through and underline. Provides columnar formatting for centering, full, right and left justification, and decimal tabs within any text element on a page.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$295.00 |
| <i>Requirements: CGA, EGA, Hercules Graphics Adapter or MGA, dot matrix or laser printer. 512K is required if using dBASE link.</i> | | | |

DENEBA SOFTWARE**CANVAS (VER. 2.0)****ISPN 24765-100**

Integrates object oriented graphics with Bitmap graphics of any resolution and PostScript in one document.

CANVAS is designed for illustrators, designers, artists, architects and engineers. Auto tracing converts bit-map images(dots) into objects (shapes). Multi-point Bezier curves and smooth polygons can be joined, split, opened or closed, and points can be added or deleted at will. Unlimited layers can be viewed, printed, or saved together or individually. Up to 16.7 million colors are available on a Mac II. Hairlines can be as small as 1,000th of an inch. Features zoom capacity from three percent of original to 3,200 percent. Offers precise positioning of objects, text, or bitmaps to 64,000 d.p.i. Features macro graphic libraries, user-editable arrowheads, patterns, colors and brushes, auto-dimensioning of lines and arcs, area and perimeter calculations, WYSIWYG (What You See Is What You Get) text, special effects, nine foot by nine foot continuous drawing area, and direct support for PICT, PICT2, TIFF, MacDraw and MacPaint file formats.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$299.95 |
| <i>Requirements: 800K disk drive.</i> | | | |

ASHTON-TATE**CHART MASTER (VER. 6.21)****ISP# 05500-075**

A quality business presentation graphics package that produces bar, line, pie, scatter and area charts.

CHART-MASTER is a powerful, flexible, easy-to-use graphics program, designed by business managers for business managers. CHART-MASTER's menus and pre-programmed settings allow you to create professional charts immediately. Data may be entered manually, or taken from Visicalc, or 1-2-3 files. To customize charts, CHART-MASTER offers over 40 options that include hatch and line patterns, exploding pies, text fonts, axis control legends, etc. Produces charts on-screen, printers, plotters, or slides (with Polaroid Palette).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 384K | \$395.00 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 384K | \$395.00 |

RIX SOFTWARE, INC.**COLORIX (VGA PAINT)****ISP# 66606-200**

Create illustrations, slides and presentations in any color combination you choose.

COLORIX (VGA PAINT) gives you unusual flexibility in graphic design. It creates a wide range of automatically-generated color graduations from any color combination you select. Supports eight 256-color VGA modes. You can move an image and it will be followed by a path of movement resulting in multiple images. You can reduce any image down to ten percent of its original size. You can build a presentation from screens designed in different modes, for any purpose, or design an animated presentation. The program supports 320 x 200, 640 x 480 and 800 x 600 color resolutions in 256 colors and 1024 x 768 resolution in 16 colors. Includes a small save command which reduces screen file 50 to 90 percent. It translates screens to grey-scale in either GEM .IMG or PC Paintbrush .PCX TIFF and TARGA file formats for use with a desktop publisher. Includes a complete presentation package with animation which supports creation of sophisticated custom image movement, dissolves and on-screen palette adjustments. Also has image rotation in one to 360 degree increments.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$199.00 |
| <i>Requirements: VGA.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$199.00 |

COMPUTER ASSOCIATES/CRICKET SOFTWARE DIVISION**CRICKET GRAPH (VER. 1.3)****ISP# 35512-025**

Professional color graphics charting and graphing software for science and business.

CRICKET GRAPH creates a wide variety of graph types including column, bar, pie, area, line, scatter, double Y, polar and quality control graphs. Graphs are easily edited and customized. Users can specify or change each graph element, and can re-size, position,

and print multiple graphs per page. Up to 100 sets by 2,700 elements of data can be entered and graphed using an extensive choice of data manipulation and format commands. Can import data in text, SYLK, JWKs, WKS and PICT formats, and export graphics in PICT and Cricket Graph formats.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$195.00 |

COMPUTER ASSOCIATES/CRICKET SOFTWARE DIVISION

CRICKET PRESENTS (VER. 2.0)

ISPN 35512-070

Designed for the creation of high quality full-color or black and white desktop presentations.

An integrated desktop presentation program that offers a comprehensive, flexible environment for creating presentations. Lets users work at the level at which they are most productive, providing all the tools users need to organize information, create frames, tables, graphs and supporting materials, and produce color and black and white overhead transparencies and color 35mm slides. An expanded template library of precreated frame formats, charts and graphs allow users to quickly achieve professional results. The Acta Outline Processor is included to assist in planning presentations. Auto Presents lets users create presentations automatically from their Acta outlines. Text handling capabilities include a 220,000 word spelling checker, thesaurus and auto kerning. Extensive color control is highlighted by the Color Blend feature, which creates smooth color graduated backgrounds. The package also includes a Cricket Expression Driver for the Autographix Overnight Slide Service and the AGXit! program, enabling users to transfer files via modem or by mail for full color 35mm slides.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |

BRODERBUND SOFTWARE, INC.

DAZZLE DRAW

ISPN 08850-062

A graphics illustration package that is easy for beginners, yet creates the professional quality graphics used by designers.

DAZZLE DRAW draws in 16 colors and in black and white with high resolution. Spray paint or paint with a brush stroke in preset patterns. Also allows user to create and store standard graphics files that can be incorporated into other programs. Contains a Mac-like user interface with pull-down menus and windows and a zoom-in feature to work in close-up detail. Also includes cut, paste and edit features and allows user to stretch boxes, ovals, lines and circles to any size needed. Can also flood fill in patterns and colors and spray paint in colors or patterns with the ability to select spray size and density. User can draw in colorful patterns from the dozens supplied or can create an unlimited number of their own. Can use mouse, joystick, KoalaPad or Apple Graphics Tablet. For grades 3-12. School edition includes a teacher's guide and a back-up disk. The lab packs include a teacher's guide and five disks. Additional teacher guides are available for \$10.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$59.95 |

Requirements: School edition.

MICRORIM, INC.**DB GRAPHICS****ISPN 53075-200**

Allows the user to read dBASE, R:BASE and other databases directly and to manipulate the data with over 40 operations.

DB GRAPHICS allows the user to graphically present selected data with the eight different graph types, 16 simultaneous colors, hundreds of combinations of textures and patterns that DB GRAPHICS provides. The user can add freetext and labels in any of seven different text fonts that come in dozens of sizes. To assist the user in his presentation, DB GRAPHICS has advanced features such as manual or fully automatic slide show presentations and up to 32 windows of split screen displays.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 512K | \$295.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 3 1/2-inch disk | 512K | \$295.00 |

DIGITAL COMPOSITION SYSTEMS, INC.**DBPUBLISHER****ISPN 25270-200**

Directly publishes live-data residing in a database, word processor or spreadsheet with typeset-quality.

Combines knowledge-based report generation and desktop publishing. Can combine incompatible DOS file formats to produce monthly financial reports, price lists, catalogs, telephone directories, and inventory reports. Can take raw data stored in micro, mini or mainframe computers and permanently 'hot link' to virtually any file or database on a hard disk. Then any recurring documents can be updated to reflect only the most current information.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: PC AT or higher, EGA, VGA or Hercules graphics adapter.</i> | 3 1/2 and 5 1/4 | 570K | \$695.00 |

ELECTRONIC ARTS**DELUXEPAINT II****ISPN 28512-081**

A professional custom graphics package with full 'zoom' capability. Offers more than 90 sophisticated painting tools and effects.

DELUXEPAINT II offers a comprehensive array of professional graphics tools while giving individual artists free reign to experiment with images and effects. Users can scroll through multiple screens independently, create stencils and transfer any portion of artwork to another painting. Other functions include: Line Tools (dotted or continuous freehand, straight and curved lines), Circle, Ellipse and Polygon Tools, Gradient and Pattern Fill Tools (permits you to define a range of gradient color blends or any pattern fill in an enclosed area). Provides 65 fills or custom patterns), Fixed Background ('bonds' the painting to its background to prevent overpainting), Perspective (allows the artist to set a vanishing point and rotate any picture element through three dimensions in true perspective), Color Cycling(cycles a range of colors through a static image to simulate

motion), four Level Zoom (offers four degrees of magnification; functions with all other tools), Custom Brushing ('paints' sections of an image from the user-selected palette), Anti-Aliasing (replaces jagged lines with smooth ones) and Smooth (creates a more subtle boundary between two contrasting colors). DELUXEPAINT II takes advantage of VGA/MCGA graphics. It supports the Apple Imagewriter II and other color printers compatible with Apple's printer driver. The IBM version permits mixing and painting with as many as 256 colors from a palette of 262,000 and supports all printers compatible with the Microsoft Mouse driver. Provides custom palettes from 4,096 available shades. Lets users create perspective and rotation effects. DELUXEPAINT II works with all standard graphic adapters including CGA, Hercules, Tandy, EGA, EEGA, MCGA and VGA.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 768K | \$99.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$149.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 640K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 640K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 640K | \$105.00 |

ELECTRONIC ARTS

DELUXEPAINT III-PAINT WITH ANIMATION

ISPN 28512-027

Allows you to animation-paint a series of screens in the same way you would normally paint a single screen.

DELUXEPAINT III integrates paint and animation. Users can create and paint with multi-frame animated brushes. In this mode, users can create multi-frame animations as a bird in flight. In addition, DELUXEPAINT III integrates animation with its perspective capability in a feature called 'Move.' This feature allows the user to define a brush, a distance for it to travel (in any of three dimensions), a rotation (about any of the three axes), and the number of animation frames to draw the movement across. Has the ability to enhance DeluxePaint II (ISPN 28512-081) with extra-halfbrite support, enabling users to paint in 64 colors instead of only 32; wrap mode, in which a brush can be wrapped into any shape; tint mode, which makes it easy to colorize black and white images; direct overscan painting, so users don't have to scroll to create full-video images; an entirely new airbrush, redesigned to meet the professional needs of an artist; and much faster operation.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 1024K | \$149.00 |

ASHTON-TATE

DIAGRAM-MASTER (VER. 5.02)

ISPN 05500-169

Allows the user to create both specific application and free form diagrams.

DIAGRAM-MASTER allows you to create diagrams in two ways. Specific applications such as organization charts and Gantt charts, and free-form diagrams to match your needs no matter how special they might be. The complexities of these graphics would stump most software, yet DIAGRAM-MASTER makes short work of them. Makes it easy to create and update Gantt charts and other ways to describe and monitor time

schedules. Just call up the Gantt Chart format, and the program will lead you through the entire creation process. To clarify relationships, you can use up to three different bar styles, eight typefaces and many cross hatching patterns within each chart. Contains a Drawing Board which allows you to command pre-drawn boxes, circles, arrows, lines, and other shapes, as well as your text. As with all programs, you have total control over the size, color and style of your work. Even allows you to enhance the built-in formats for organization and Gantt charts. You can also use 101 unique shapes in the library or any of the 94 symbols also included in the program. You can even create your own shapes such as logos and store them in the system.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$365.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$365.00 |

MEDIA CYBERNETICS, INC.

DR. HALO III

ISPN 48675-125

An icon-driven paint program and picture editor that integrates graphics and text.

DR. HALO III gives you the power to create any type of graphics or graphics/text presentation with almost no limit on your creative touches. You operate everything by calling up self-explanatory picture menus. Program features include color dithering, aspect ratio correction, multi-board grab, a coordinate display option, on-screen help, advanced palette editing, a lasso function, virtual page, undo, scaling, curve fitting, image rotation and overlay and snap files. In addition, the program provides for cut files as well as PIC files to be sequenced for slide presentations and batch printing. Color, pattern, symbol, line width, typeface and airbrush density options are provided. Allows you to draw, paint, move and cut and paste and lets you rubberstamp images. Imports and enhances graphics from bit-mapped graphics programs.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 384K | \$139.95 |

Requirements: Graphics card, two disk drives, input device.

ASHTON-TATE

DRAW APPLAUSE

ISPN 05500-100

Creates graphics arts quality visuals and special effects via unlimited color selections, drawing and editing capabilities.

DRAW APPLAUSE provides a broad range of charting capabilities such as automatic line, bar, pie, area, mixed and numerical table charts. Contains a library of 125 full-color images to enhance and customize charts. Customizes data with multiple axes, 3-D effects, stacking, horizontal or vertical bars, exploded slices, data values, special legends and chart frame options. Draws charts on screen during creation and automatically positions and sizes charts. Allows user to design custom templates for title charts, bullet charts, multi-column charts, quotes and lists. Enables user to select from ten typestyles, 36 special characters and 20 size of text. Customize any text character by color, font, drop shadow color, underline, subscript and superscript. Provides a drawing board to copy, move, delete, rotate, flip, change and assign shape options, pull forward, push back, edit, break text, size, stretch and distribute shapes. Uses custom and snap grids for aligning shapes. Custom shapes are designed with solid or hollow fill, outline color and width, line type and thickness and pointed or

rounded corners. Combine and overlay images on the same page. Use a graphics tablet for digitizing pictures to add to the library. Displays up to 256 colors from a choice of 16.7 million. Supports color gradations, special effects and the use of lines, rectangles, arcs, wedges, circles and free-form drawing. Imports and exports Computer Graphics Metafiles (CGM), a standard code format for computer graphics products.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$495.00 |
| <i>Requirements: 80286 or 80386 based system.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$495.00 |
| <i>Requirements: 80286 or 80386 based system.</i> | | | |

BRODERBUND SOFTWARE, INC.

DRAWING TABLE

ISPN 08850-220

Provides object-oriented drawing tools with automatic control, and the ability to mix PostScript art with PICT and paint graphics.

Provides a text-binding feature to automatically fit text to lines and curves on-screen. Tools provide precision scaling and rotation of objects. Adds color to the drawing even if using a black-and-white screen. Users can print in color on an ImageWriter II and LQ. Comes with 15 libraries with building blocks for maps, landscaping, interiors, and letterheads. Users can open up to eight windows at once, and drag clip art directly from a library window to a drawing. Provides zoom-in for close-ups and zoom out for multi-page illustrations. Text can be printed to an ImageWriter, ImageWriter LQ, or LaserWriter.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$129.95 |

RIX SOFTWARES, INC.

EGA PAINT 2005F

ISPN 66606-300

An electronic paintbrush and a business presentation tool that allows the user to create effective visual aids.

Features automatic anti-aliasing to smooth edges on text or images. Also contains a 360-degree image rotation tool, a fully programmable slide show with over twelve dissolves, and full resolution switching capabilities available during the show. Screen capture can capture almost any other program's screen, including DOS text, for enhancement. Special file creation features which allow the user to send print files through networks. Provides 33 fonts, a dual brush system, and a variable spray airbrush tool. An auto-area command allows the user to use any brush feature over any box area selected, up to full-screen and image resolution support from 640 x 200 to 800 x 600. Creates hard-copy of freehand graphics, flowcharts, bar, pie or pert graphs, layouts and schematics. Mouse is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 3846K | \$129.00 |
| <i>Requirements: EGA.</i> | | | |

PATTON & PATTON SOFTWARE CORP.

FLOW CHARTING II+ (VER. 2.43)

ISBN 59788-200

Provides presentation quality flow charts in ten font styles and 26 shapes. Prints multiple files without interruption.

The user can either print out draft quality charts for quick evaluation, or presentation quality. If a line to the wrong place, the backspace key in line mode will erase it right back to its origin—redoing connectors and bypasses as it travels. The F2 key turns the cursor into a scribe and gives it the run of the page in any of four widths: normal, bold, hollow and dashed. The user can choose whether the line stops at a shape or draws right over it. Blocks of text, words, or even just letters can be moved, deleted or inserted quickly and neatly. Select auto centering and let the program do the placement within shapes, or turn auto centering off and put comments alongside the chart. From the main menu use alpha-keys or function keys to select options. Function keys are also used and referenced in the edit mode. An alternate set of command keys are available for touch typists to keep their fingers on the keyboard, even for cursor moves. DOS paths/sub directories are completely supported. Shrink screen shows the whole picture, a complete 14- by 11-inch chart on a 200-column by 120-line screen. Do major editing, such as relocating, deleting, and inserting shapes, while viewing the entire chart. FLOWCHARTING II+ lets the user: Type inside or outside shapes, on lines or free area, define pieces of the chart to save in special image files for later use in other charts, define pieces or sections anywhere on the chart, to move, copy, or even delete and zip across the chart with an accelerated cursor or use the cross hairs on the shrink screen at a faster pace. There are a total of ten font styles: normal, bold, high, wide, fat, Greek, superscript, subscript, micro and title. Two new shapes bring the total to twenty-six, with several predefined. Shaded boxes have been added for org charts, and a summing junction for mathematicians. Charts are constructed for the standard paper sizes—8 1/2- by 11-inch, 8 1/2- by 14-inch, and 14- by 11-inch. Select the charts to be printed, they are printed without interruption.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$229.00

Requirements: CGA, EGA, Hercules Graphics, Hercules Graphics Plus or Hercules Incolor.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

256K

\$229.00

Requirements: CGA, EGA, Hercules Graphics, Hercules Graphics Plus or Hercules Incolor.

BROWN-WAGH PUBLISHING

FONTASY (VER. 3.0)

ISBN 08984-200

Create 'unlimited size' graphics for presentations, signs, newsletters, logos and more.

FONTASY turns your keyboard into a graphics studio. Produce high-quality presentations, flyers, newsletters, overheads, menus, invitations, layouts, signs, announcements and visual aids. Add text to your artwork from built-in fonts, or read text from another disk file. Draw pictures using your keyboard or mouse. Select from built-in fonts for your text. Make graphics of any size, limited only by memory. FONTASY supports graphics printers such as IBM graphics, IBM Proprinter, Epson FX, JX, LX, MX, RX, LQ, CITOH 8510, 1550, 1570, Prowriter Jr., HP LaserJet, ThinkJet, LaserJet Plus,

Microline 92, 93, 192, 1930, Gemini 10X, 15X, Toshiba 1340, 1351, 351 and Panasonic Riteman. A mouse is optional.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$129.95 |
| <i>Requirements: Graphics adaptor and monitor, graphics printer, CGA, EGA or Hercules Graphics Adapter.</i> | | | |

ASHTON-TATE

FULLPAINT

ISPN 05500-195

Provides four document full-screen painting with the ability to paint at laser resolution and print from 25 to 400 percent size.

FULLPAINT is 100 percent compatible with MACPAINT, and adds a host of new features that today's users expect. The entire screen is available for painting, eliminating fixed window sizes. Couples flexibility with 'floating' tool and pattern palettes which can be moved anywhere on screen or hidden, which redefines the Macintosh's graphic potential. Up to four documents can be opened simultaneously, enabling up to a full-page size to be cut and pasted. For precision, pop-up rulers and the MouseSpot display present exact position and dimensions of the work in progress. Enables applications such as drafting and desktop publishing to be performed in a bit-mapped environment with centimeter, pixel, and pica scales. Images can be rotated, skewed and distorted using built-in commands, and psuedo 3-D effects can be produced by the Perspective tool. A custom font size feature allows the creation of font sizes from 1 to 127 points.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.95 |

DIGITAL RESEARCH, INC.

GEM DESKTOP PUBLISHER (RELEASE 1.1)

ISPN 25550-516

Allows the user to produce professional quality newsletters, office publications, brochures, reports and sales and marketing materials.

Formats text and graphics on the page, producing camera-ready copy without outside contractors for typesetting, artwork, layout and paste-up. Automatically flows text around the graphics on the page and instantly reformats text that needs a change. Accepts text and graphics from formatted text from popular word processors, ASCII and RFT-DCA text files, graphics for GEM Draw Plus, GEM Graph and other applications. To format the text the user sets character and paragraph attributes, including type font, style, point size, indents, line and paragraph spacing, text alignment and tabs. If the attributes need to be changed the programs automatically applies the new attributes through the document. The style sheets allows the user to format a whole set of documents with consistent style. Takes full advantage of the output capabilities of the printer used. Drivers for these printers are provided with GEM DESKTOP PUBLISHER: Apple LaserWriter, Hewlett-Packard LaserJet Plus and 100 percent compatibles, Epson EX, FX, JX, LX, MX and LQ series and Epson compatibles, IBM Proprinter, Graphics Printer, Color Jetprinter and Xerox 4020 Color InkJet.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$299.00 |

DIGITAL RESEARCH, INC.**GEM DRAW PLUS (RELEASE 2.0)****ISPN 25550-531**

Creates organizational charts, flow charts, schematics, diagrams, logos and illustrations in color.

GEM DRAW PLUS is a set of graphic elements, hierarchical grouping and ungrouping, flip elements horizontally and vertically, rotate and text, variety of patterns, line styles and widths, supports raster graphics, 48 text styles, window-to-window element transfer, picture library, supports various page sizes and layouts, zoom feature and compatible with entire GEM family of products.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 640K | \$299.00 |
| <i>Requirements: GEM/3 Desktop (ISPN 25550-515).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 640K | \$299.00 |
| <i>Requirements: GEM/3 Desktop (ISPN 25550-515).</i> | | | |

DIGITAL RESEARCH, INC.**GEM GRAPH (RELEASE 1.0)****ISPN 25550-520**

Turns numbers into pie charts, bar graphs, line plots and maps through the use of templates.

GEM GRAPH allows you to get numbers directly from the business programs you're using, like Lotus 1-2-3, Symphony, dBase III and others.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 640K | \$299.00 |
| <i>Requirements: GEM/3 Desktop (ISPN 25550-515).</i> | | | |

DIGITAL RESEARCH, INC.**GEM PRESENTATION TEAM RELEASE 1.1****ISPN 25550-532**

Includes an integrated solution for presentation and publication graphics.

Includes GEM Desktop, an icon-based friendly DOS shell, GEM Draw Plus, an element-based line art drawing package, GEM WordChart which automates the production of text slides in a variety of formats. These formats include GEM Graph, a powerful charting tool, Gem Map Editor, a tool for enhancing map graphs produced by GEM Graph and GEM Draw Business Library, a collection of business-oriented line art and borders for use with GEM Draw Plus and GEM WordChart. Each application offers speed, ease of use, a common user interface, integration across the application set and high-quality output on all supported devices. Creates pie charts, bar graphs, map graphs and symbol charts, pictures, drawings, text slides and other presentation graphics materials on supported devices ranging from low-cost matrix printer, through color ink-jets to high-resolution laser printing devices. GEM Draw Plus, GEM WordChart and GEM Graph produce line art drawings which can be incorporated directly into GEM Desktop Publisher, Xerox Ventura Publisher Edition and other GEM compatible publishing packages. Supports IBM EGA, VGA, MCGA, Hercules and many other types of graphics hardware and screens. Fully compatible with existing DOS spreadsheets

and databases via GEM Graph. Supports WKS, DIF, SDF and other data formats directly.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 384K | \$495.00 |
| <i>Requirements: GEM/3 Desktop (ISPN 25550-515), hard disk, CGA.</i> | | | |

BERKELEY SOFTWAREWORKS

GEOCHART

ISPN 07440-310

A graphics-based charting program for use with geoFile and geoCalc.

GEOCHART enables the user to produce numerous chart types including bar, column, area, pie and scatter. Can vary patterns, grids and text. Imports data from GEOS, GEOS 128, geoWrite Workshop, geoWrite Workshop 128, geoFile, geoFile 128, geoCalc, geoCalc 128 and the Note Pad desk accessory. Charts up to 80 values, and you can change the chart type without reentering data. You can also change fonts, point sizes and styles (plain, bold, italics, outline, underline and reverse) of all text including chart title, legend and axis labels. Supports all 53 fonts in FontPack Plus. Fourteen formats are available for displaying axes label values, including scientific, dollar (currency), fixed (integer) and percent. You can: alter the maximum and minimum vertical axis range values; display or hide text in all charts; alter both the vertical and horizontal axes range values in scatter plots; stagger axis label text by categories in area, bar, column, point and line charts; display or hide percentage values in pie and unibar charts; and save charts in photo and text albums for future use.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| <i>Requirements: GeoFile (ISPN 07440-350), geoCalc (ISPN 07440-305).</i> | | | |

BERKELEY SOFTWAREWORKS

GEOPUBLISH

ISPN 07440-360

A desktop publishing program that allows text to flow into columns, around pictures and between pages. Integrates text and graphics.

GEOPUBLISH offers sophisticated page layout capabilities. Allows the user to paste-in graphics from geoPaint or other paint libraries. The user can use fonts up to 192 points for mastheads and banners, create headers and footers for all pages, and create an unlimited number of backups (providing they have a valid GEOS boot disk). Master page mode features support for left and right master pages.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$49.95 |

NEW ENGLAND SOFTWARE, INC.

GRAPH-IN-THE-BOX RELEASE 2 (VER. 2.2)

ISPN 56656-400

Create 11 different types of graphs from your on-screen data.

GRAPH-IN-THE-BOX RELEASE 2 transfers numerical data from any program (even memory-resident utilities) into business graphs. Produces graphs for quick analysis or business presentations. Maps any numerical data into an easy-to-read graph. Allows you to add titles, legends and labels and vary the graph to suit your needs. You can create graphs to accompany business plan text, generate charts from spreadsheet data or quickly analyze data during an on-line session. You can save and print graphs without exiting your main application. Graph types are: Column, stacked column, bar, stacked bar, line, line-area, step, filled step, scatter chart and pie chart. The program also provides ten line types, ten fill patterns, 15 variables, 500 observations and explodable pie sections. It can be used with the 8087/80287 math coprocessor. Supports EGA, MCGA, VGA, Hercules graphic card, B&W dot matrix 24-pin, laser and PostScript printers and plotters. Available in single user and multi-user versions. For technical support call (203)625-0714.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$139.95 |
| <i>Requirements: CGA, EGA, MCGA, VGA or Hercules Graphics Adapter, printer.</i> | | | |

SYMSOFT

HOTSHOT GRAPHICS (VER. 1.5)

ISPN 77468-300

Combines features of capture programs, graphics editors and file conversion programs into one integrated processing tool.

HOTSHOT GRAPHICS is a picture processor for PC graphics. It creates, captures, edits and files pictures. Complements word processors and page layout programs by speeding and simplifying the preparation of artwork for desktop publishing and graphic presentations. Text and graphic images to be processed can be drawn with HOTSHOT GRAPHICS, scanned in, accepted from other files, or captured from another program. Images can be organized into logical groupings and users can create on-screen presentations from saved graphics. A captured screen can be printed out in less than two minutes. Can be used with WordPerfect (ISPN 68012-600), MacPaint (ISPN 12784-510) and Ventura Publisher. Allows the user to edit text with captions, graphics and up to eight levels of shading. Contains a built-in database directory. Allows the user to search and sort titles by keyword or character string.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$99.95 |
| <i>Requirements: Hard disk, CGA.</i> | | | |

POWER UP SOFTWARE CORP.

LABELS UNLIMITED

ISPN 61687-400

Creates name tags, inventory labels and file labels for anything requiring graphic printing.

Features include flexible formatting in which the user specifies label size, number of text zones and their orientation, type heights, then add text. Prints characters in five sizes up to 1/2" tall. A ditto feature duplicates line entries on successive labels. Automatic incrementing allows the user to create sequentially numbered labels. The user can also auto-increment any or all lines in the label, the user can save up to 400 labels in each series and recall, edit, and print them when needed. The user can print on tractor-feed labels in standard formats, up to four across or onto plain paper.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$59.95 |
| <i>Requirements: Graphics printer, 80-column monitor.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$59.95 |
| <i>Requirements: Graphics printer, 80-column monitor.</i> | | | |

LOTUS DEVELOPMENT CORP.**LOTUS FREELANCE PLUS (VER. 3.01)****ISPN 45525-080**

Offers full-featured charting and drawing capabilities as well as presentation graphics tools.

LOTUS FREELANCE PLUS offers personal computer users a comprehensive set of charting, drawing and presentation tools for creating a broad range of business graphics. The charting modules in LOTUS FREELANCE PLUS offers new chart formats and structured text chart capabilities; provide new defaults and a built-in chart composition system that automatically adjust chart layouts to insure good-looking charts; give users complete control over chart-style options from within the chart forms; include visible data import, dynamic data links between chart files and data sources and expanded data import capabilities. Portfolio contains tools for organizing, previewing, printing and recycling presentations. In addition, Portfolio's color-to-gray-scale conversion feature automates the process of generating black-and-white handouts from color files with little or no editing. Screen Show makes it possible to use the computer screen as a device for displaying presentations. Features include: Special effects (fades, wipes, pans, dissolves and more); timing controls; and the ability to create a stand-alone copy of a Screen Show diskette.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$495.00 |

LOTUS DEVELOPMENT CORP.**LOTUS GRAPHWRITER II****ISPN 45525-255**

Produces presentation-quality graphics that link with Lotus 1-2-3 any Symphony and other spreadsheet and database programs.

Automatically changes the chart when user changes the data. Automatically adjusts for the small changes that often affect the layout of a chart. Prints up to 100 charts automatically. Choose from 24 different chart formats. Allows user to decide colors, fill patterns, fonts, and text sizes to suit user and audience needs. Combines several charts on one page.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$495.00 |
| <i>Requirements: Hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$495.00 |
| <i>Requirements: Hard disk.</i> | | | |

CLARIS CORP.

MACDRAW (VER. 1.9)

ISPN 12784-500

Create drawings from symbols to maps for reports and presentations.

Circles, boxes, lines, and other geometric shapes are easily drawn and arranged with the help of the mouse and an on screen palette of tools and shapes. These design aids simplify creating detailed graphs, organization charts, diagrams, and illustrations. Create drawings that range from a one-page flyer to a multi-page floor plan as large as four by eight feet. Supports AppleShare (ISPN 3900-100) networking, and allows up to 54 fonts. Command keys are displayed in menus.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$195.00

CLARIS CORP.

MACDRAW II (VER. 1.1)

ISPN 12784-505

The fast, flexible and precise Macintosh graphics drawing tool for business, design and engineering.

Designed for graphic artists, engineers, architects, business professionals, and desktop publishers. Has graphics-oriented interface with more features and is as easy to use as MacDraw(Ver.1.9) (ISPN 12784-500). Shortcuts include auto-scrolling and command keys. Zooming and fully customizable ruler settings provide accuracy up to 2,000 dpi(dots per inch). Drawings can be as large as 100 X 100 inches. Features include layering capability for documents with unlimited numbers of overlapping transparent layers that can be hidden, shown and rearranged in any order, libraries of named objects, stored for recall from anywhere within the application, zooming to enlarge the design up to or reduce down to 32 times its original size. There are nine user-definable views within a document to move from one place to another, specifying zoom, autogrid, and ruler settings. Supports rescaling capability for adjustment of scales when moving objects within a document or from one document to another. Object and text rotation can be adjusted from any angle from zero degrees to 360 degrees in increments as small as 1/100 degree. There is a choice of up to 16,000 preset or custom monochrome or color patterns per document. Pen widths are customizable from zero to 1 1/2-inch with an accuracy of four decimal places. Allows user customizable dashed lines. Autosizing displays an object's exact dimensions to four decimal places. There is full text editing features for annotations and paragraphs with multiple type fonts, styles and sizes. The custom font sizes range from one to 127 points. Gives color support for on-screen designing, color output on plotters and printers, or for color separations. Supports E-size plotter driver on selected Hewlett-Packard and Houston Instrument plotters. Supports Apple's QuickDraw standard and PostScript so the program can be used with any output device such as the ImageWriter, LaserWriter, plotters, typesetting machines, or slide production units in color, black and white or for color separation. Will accept any PICT formatted document. Compatible with Apple's Multifinder and AppleShare (ISPN 3900-300). Includes a slide manager for easy creation of presentations and handouts, a built-in spelling checker with a 100,000-word dictionary and a notes feature for document annotation.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$399.00

MAINSTAY**MACFLOW (VER. 3.0)****ISPN 46041-555**

A visual power tool for logic and project flow. Allows user to resize graphic elements for quick changes and quality output.

MACFLOW automatically maintains symbol/line connectivity; chart hierarchy with 'hide and zoom' capability; and is not copy protected. With MACFLOW you can graphically organize simple or complex projects. Visualize your efforts in a structured 'top down' manner. Uses ANSI standard and user defined symbols. Zoom to different levels of detail for visual clarity. Modify your structures with extreme ease and view them before creating hard-copy on a LaserWriter or ImageWriter printer. It has a wide range of applications including experimental design, software flowcharting, 'expert system' rule generation, design of trouble-shooting manuals and more. Uses entire area of large screens.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$245.00

CLARIS CORP.**MACPAINT (VER. 2.0)****ISPN 12784-510**

The standard free-form graphics tool for painting, sketching or illustrating in bit-map form.

Provides tool and pattern palettes that can either remain as menus or be torn off and moved anywhere on the screen. Contains six free-form painting tools, the paintbrush, pencil, spray can, paint bucket and eraser. Provides five shape tools, the rectangle, rounded rectangle, oval, free-hand and polygon. There are a choice of 38 editable painting and filling patterns. Includes special effects Invert, Trace Edges and Brush Mirrors. Give capability to reduce or enlarge selections continually with mouse or to 200, 400, 800 or reduction to 50 percent with full editing. There is full access to Macintosh typefaces, sizes and styles. Allows you to create your own startup screen. The Snapshot function lets you save documents at various stages and combine work from several versions. Provides automatic document scrolling and up to nine resizable document windows can be open at one time. There are four pattern modes, opaque, transparent, inverse and erase. Draw shapes from the center outward or from corner to corner. Has adjustable spacing between grid lines, and document templates can be saved. The size and location of shapes are displayed as you draw them. Can be used with built-in Macintosh monitor or full page display. Integrates with most Macintosh software including MacDraw (ISPN 12784-500), MacDraw II (ISPN 12784-505), MacWrite (ISPN 12784-530), MacProject II (ISPN 12784-520) and SmartForm Designer (ISPN 12784-700). Supports AppleShare (ISPN 3900-100) and MultiFinder. Compatible with Apple ImageWriter and LaserWriter printers.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$125.00

ASHTON-TATE**MAP-MASTER (VER. 6.01)****ISPN 05500-400**

Using boundary files and statistics files, allows user to create maps.

MAP-MASTER has boundary files to draw the outlines of geographics regions. Statistics files contain demographic and economic data for the regions in a Boundary file. When creating a map, Map-Master lets you display data from a statistic file, your own data, a combination of your data and data from a statistics file.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 384K | \$415.00 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 384K | \$415.00 |

MICROGRAFX, INC.

MICROGRAFX DESIGNER 3.0

ISPN 52493-050

Provides user with an extensive set of art, graphics and technical illustration design features.

Features scanned image support: Bitmap images from scanners or paint programs can be imported, merged, and saved. User can trace over bitmap images to easily create resolution-independent representations of these images. Polygon and curve editing. Polygonal pathing for creating and filling irregularly shaped objects. Extensive drawing primitives, including spline and parabolic curves, freehand drawing, lines, polylines, squares, rectangles, circles, pies, and ellipses. Flexible labeling and text editing. Text may be entered and edited through a Text Editing window which provides line and paragraph formatting. Contains user-definable colors. User may mix up to 3.6 million custom colors including a wide selection of gray scales. Files are completely file-compatible with Graph Plus (ISPN 52493-810), Windows Draw (ISPN 52493-800) and In*a*Vision (ISPN 52493-400) programs. DESIGNER is bundled with Windows Convert (ISPN 52493-025), and a coupon for a General Clip Art Library (ISPN 52493-120). Windows Convert is an AutoCAD translator which provides full bi-directional conversion between AutoCAD's DXF file format and DESIGNER's file format. General ClipArt is a collection of over 300 symbols suitable for artistic and business use. Includes 35 Bitstream and five URW fonts. A graphics monitor and a mouse or digitizing pad are recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 640K | \$695.00 |
| <i>Requirements: VGA, EGA or Hercules Graphics Adapter, hard disk, printer. Intel 80286 or 80386 based system.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 640K | \$695.00 |
| <i>Requirements: VGA, EGA or Hercules Graphics Adapter, hard disk, printer. Intel 80286 or 80386 based system.</i> | | | |

UNISON WORLD

NEWSMASTER

ISPN 83678-726

Desktop publishing made easy and affordable.

NEWSMASTER edits text and integrates graphics with ease. It allows one to ten columns per page, ten fonts in a variety of sizes, over 280 pieces of artwork and automatic text flow around the artwork. NEWSMASTER permits moving from column to column and from page to page. Multiple pages are available in the same document as well as 30 fill patterns, vertical lines, horizontal lines, box lines of any width, fonts with bold and italic typefaces and fully integrated text and artwork. Easy-to-learn and simple to use. Formats as many as ten columns per page with automatic text flow. Flexible text

placement around graphics. Lets you choose page layout options and provides ten fonts (bold and italic) in a range of sizes. Uses WYSIWYG screen formats.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA, EGA, or Hercules graphics adapter.</i> | 5 1/4-inch disk | 256K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA, EGA or Hercules graphics adapter.</i> | 3 1/2-inch disk | 256K | \$99.95 |

SPRINGBOARD SOFTWARE

NEWSROOM PRO

ISPN 75309-515

Allows the use the function keys for faster access to all operations. Create clip art or use the 2,000 included pictures.

NEWSROOM PRO has the ability to modify and combine art, resize it, layer it, flip it vertically or horizontally. Powerful drawing and editing tools let you make subtle or dramatic changes, enter your text and photos simultaneously while working down one of two columns. The text wraps around the photos and will rearrange itself if you move a photo. You control all design elements. Choose from a variety of type styles and sizes. Even change the spacing between the lines. This program is not copy protected which allows easy installation onto the hard disk. You may configure different versions or make backup copies. The program supports over 55 popular business printers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 256K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 256K | \$39.95 |

BANNER BLUE

ORG PLUS (VER. 3.1)

ISPN 06778-752

Diagram any organization, from the boardroom all the way down to the mail room.

ORG PLUS helps you to keep on top of who's on the move in your company or anybody else's. The program lets you prepare a sharp-looking organization chart for company presentations. Shows names, titles and comments on full-screen display. You choose from among seven chart styles and eight box styles, or mix them within your chart. Program automatically draws boxes, centers text and precisely lays out connecting lines for a professional appearance. You can preview charts on the screen. A mini-spreadsheet for each employee details salaries, commissions, budgets, office space and project hours. You can also produce reports, such as an employee phone book, from the information in your chart. Enters each manager and up to 100 direct subordinates, including salaries and back records. Has the potential for up to 350 positions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 5 1/4-inch disk | 320K | \$79.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 3 1/2-inch disk | 320K | \$79.95 |

BANNER BLUE**ORG PLUS ADVANCED (VER. 4.0)****ISP# 06778-523**

Produces organization charts and other tree diagrams quickly and professionally.

ORG PLUS ADVANCED is designed to make management organization charts and tree diagrams. Allows you to choose from eight box styles and seven chart styles. Automatically draws and spaces the boxes, positions the text and precisely lays out the connecting lines after you type in information regarding each position. Charts are easily updated to keep pace with frequent changes. You can add, insert, delete or move positions - even entire branches. ORG PLUS ADVANCED does the redrawing for you. You can generate reports, such as an employee listing or parts list, from existing information in your chart. Choose up to three columns to include in your report, and sort in ascending or descending order. Print your report with totals, averages or counts. In addition to the text fields, ORG PLUS ADVANCED gives you up to 12 numeric fields for each position. Total budgets, revenues, project hours, or any quantity you choose, position-by-position up the branches of your chart. After ORG PLUS ADVANCED automatically draws your chart, you can electronically cut and paste it right on the screen. Enables you to draw vertical and horizontal lines, enhance text, add boxes, highlight key information and add text anywhere to annotate your chart. You can also define a block of information and copy or move it anywhere on your chart. Using the drawing board, you can modify your chart to make it look exactly how you want.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

384K

PRICE

\$129.95

*Requirements: Printer or HP plotter.***MEDIAGENIC/ACTIVISION PRESENTATION TOOLS****PAINT WRITE DRAW****ISP# 00837-755**

Contains the programs Paintworks Plus, Writer's Choice Elite, Draw Plus, and Clip Art Gallery.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$179.95

*Requirements: ImageWriter, ImageWriter II or LaserWriter.***MEDIAGENIC/ACTIVISION PRESENTATION TOOLS****PAINTWORKS GOLD****ISP# 00837-752**

Features gradient color blending, two canvasses, color masking, slippery colors, color cycling and frame animation.

PAINTWORKS GOLD provides two types of three-dimensional perspective. Enables the user to point to any side of an object and drag it closer or farther away to create a feeling of depth. The user can also set a vanishing point for auto 3-D. With gradient color blending, the user can select up to sixteen colors, the amount of blending, and choose between two directions and two styles to create smooth transitions of color with four gradient patterns. The two canvasses available enable the user to switch between two full pages, for use as a separate painting or as a draft copy, or use page two as a fixed background for page one. Color masking allows the user to select colors to be 'masked',

protecting them from being painted over. Features variable zoom FatBits with four levels of magnification. Rotates objects in one-degree increments. Compatible with all IIGS graphic formats. Supports Epson EX, FX, JX, LX, RX and compatible printers. Epson printers require the Grappler Plus, GraphiCard or Parallel Pro interface. Epson LQ series requires GraphiCard or Parallel Pro interface. Not copy protected.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 1024K | \$99.95 |

Requirements: RGB monitor.

MEDIAGENIC/ACTIVISION PRESENTATION TOOLS

PAINTWORKS PLUS W/CLIP ART GALLERY

ISPN 00837-753

Gives the user complete designing and editing power through graphics, paint and animation.

PAINTWORKS PLUS W/CLIP ART GALLERY allows the user to paint with more than 4,000 colors. Combine text with multi-colored graphics in a report. Use animation to bring your color images to life. Program is copy protected. Also contains Clip Art Gallery featuring over 650 ready-to-use images.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$79.95 |

ZSOFT CORP.

PC PAINTBRUSH IV (VER. 1.0)

ISPN 97803-604

A free-hand graphics program for color graphic illustration, image creation and retouching.

PC PAINTBRUSH IV allows you to overlay two images. Choose from 256 on-screen color shades. Uses an arsenal of features, such as adjustable airbrush, graduated flood fill and local undo. Use the tiling feature to create 3-D effects, pictorial charts and intricate patterns. You can also capture screens, graduate colors, make 3-D or shadowed letters, edit text, combine images from several sources and more. Adjust any image's size, tilt it or flip it, enhance or remove any part of an image or use the gray-scale editing features for continuous-tone images. Gives you conveniences such as pull-down menus, customizable screens, dialog boxes, split screens, multiple levels of context-sensitive help and a combination of mouse control and keyboard accelerators.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$99.95 |

Requirements: Drawing device.

| | | | |
|------------------------------|-----------------|------|---------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$99.95 |
|------------------------------|-----------------|------|---------|

Requirements: Drawing device.

ZSOFT CORP.

PC PAINTBRUSH PLUS (VER. 1.6)

ISPN 97803-600

An advanced graphics package with image sizing, tilting, distortion and 90-degree flip.

PC PAINTBRUSH PLUS permits scanning of 300 dpi images in black and white. Converts to full-color, imports charts and graphs from popular business graphics packages, offers pattern and color editing, saves image sections and provides fine adjustment of cursor speed. Answers even the most demanding graphics needs. Supports a wide range of black and white and grey-scale scanners and allows custom manipulation of scanned images. You can even create a full-color image from a scanned image. You can also cut and paste large images. Your image size is limited only by your memory. This program's support for EMS memory allows faster scanning and editing.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$149.00 |

Requirements: Display adapter, drawing device.

SOFTSYNC, INC.

PERSONAL NEWSLETTER (VER. 2.0)

ISPN 72240-600

Contains a desktop publisher that combines word processing, graphics editing and page layout.

PERSONAL NEWSLETTER allows user to type text in a variety of fonts, styles and sizes, adjust character, word and line spacing and import text from most word processors. The page layout can be done to specification, using as many as ten columns. The graphics editor permits the user to create new pictures or edit any of the 400 pictures included in the program. Apple version imports pictures from PrintShop, Newsroom and DazzleDraw and will load in single and double hi-res graphics or use scanned images from Computer Eyes and Thunderscan. Supports most dot matrix printers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|----------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$59.95 |

SOFTWARE PUBLISHING CORP.

PFS-FIRST PUBLISHER (VER. 2.1)

ISPN 73300-025

Lets you lay out multi-column text, combine headlines/graphics/text and select different fonts for professional publications.

With PFS-FIRST PUBLISHER, your documents look professionally produced so they are easier to read and command more attention. You will deliver your messages more effectively by using bold typestyles for strong headlines, adding emphasis with different fonts and clearly illustrating your point through graphics. It is an intuitive program that is easily learned. Clearly defined menus and icons guide you in selecting options. The screen displays each page just as it will look when printed, including fonts, text sizes, and graphics. You can design your own publications. In this system there are image portfolios containing hundreds of professionally created art images, and font packages with several dozen fonts in sizes up to 72 points. With the Hewlett Packard LaserJet and Apple LaserWriter Laser Options, you get professional-quality output right at your desktop.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$129.00 |

Requirements: Two disk drives or one disk drive and hard disk. CGA, EGA or Hercules graphics adapter.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

512K

\$129.00

Requirements: Two disk drives or one disk drive and hard disk. CGA, EGA or Hercules graphics adapter.

SOFTWARE PUBLISHING CORP.**PFS:FIRST GRAPHICS (VER. 1.0)****ISPN 73300-600**

An entry level graphics presentation package for creating basic text and data charts.

PFS:FIRST GRAPHICS features many of the capabilities found in Harvard Graphics. Designed for the occasional graphics user who requires speed of use, yet still demands superior quality output. Includes integrated text and data, charts, sophisticated charting options, high quality output with PostScript and color printer support and more. Includes these chart types: Bullet, text, freeform text, pie, bar/line, area and high/low/close.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

320K

\$149.00

Requirements: Two disk drives or one hard disk.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

320K

\$149.00

Requirements: Two disk drives or one hard disk.

MICROILLUSIONS**PHOTON PAINT****ISPN 50425-600**

A full-featured paint program with extensive manipulation operations such as 3D mapping, light source shading and twisting.

PHOTON PAINT offers a 64-color palette allowing up to 4096 colors on the screen at one time, either RGB (Red, Green, Blue) or HSV(Hue Saturation Value). Allows real-time operation of drawing tools. Can tilt an image in any direction with proper perspective, rotate by any degree and resize by one-half, double or any size either horizontally or vertically. Mapping can wrap on a ball, cone, cube, tube or free shape. Implements a simulated light source from a user-defined direction and intensity. Allows blending, addition and subtraction of colors, and full dithering. Allows the user to paint in the chosen, in the HAM (Hold and Modify) mode or allow HAM to modify colors. Background colors may be either transparent or opaque. Provides total menu movability with brush and color palette menu size reduction options, and a unique magnification window with variable pixel sizing. Supports PAL, Overscan and NTSC. Compatible with most third party art and animation systems.

SYSTEM**MEDIUM****MEMORY****PRICE**

COMMODORE AMIGA 500, 1000, 2000

3 1/2-inch disk

512K

\$99.95

ASTRAL DEVELOPMENT**PICTURE PUBLISHER****ISPN 05668-600**

Complete image processing featuring GrayMap, calibration, editing, masking, image retouching and more.

PICTURE PUBLISHER gives you the kind of image processing features you find on professional systems. Allows you to add high-quality photos to your pages. More than just a black-and-white paint program (although it can paint, too). You can accept grayscale TIFF image from a scanner, for example, or from a video capture board - edit, manipulate, combine, enhance and add special effects to them, then add them to pages or send them directly to any Windows compatible output device such as your laser printer or even a high-resolution imagesetter. PICTURE PUBLISHER can brighten up dark photos (or darken light ones), increase or decrease the contrast, set your own highlight and shadow values right on the screen and even create and store your own powerful grayscale curves. You can posterize images, convert photos to line art and changes positives to negatives. Offers a complete set of retouching, painting and special effect tools. Features include: Astral Image Cache for editing pictures of any size or resolution, regardless of the memory resources of your system; Astral Picture Window to display 64 levels and manipulate up to 256 levels of gray; mouse, menu and keyboard interface for increased efficiency and productivity; imports grayscale and line art TIFF image file formats; and output grayscale, line art or ScatterPrint in TIFF or Encapsulated PostScript image file format. PICTURE PUBLISHER supports: High-resolution, dual-page displays(VGA compatible); super-VGA modes; Intel's Visual Edge grayscale image enhancement board for laser printer; Willow Peripheral's Publishers' VGA with built-in frame grabber; Data Translation's QuickCapture frame grabber/video capture; Aldus PageMaker, Xerox Ventura, other DOS-based page layout programs; Macintosh page layout programs (with appropriate TIFF conversions); and direct scanning interface for Microtek and Hewlett-Packard grayscale scanners. Call Astral Development for the most current list of supported peripherals and direct interfaces.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$595.00

Requirements: VGA or MCGA graphics card, VGA-compatible monitor, IBM or Windows compatible mouse, Microsoft Windows (Rev. 2.03 or higher).

SUPERMAC TECHNOLOGY**PIXEL PAINT (VER. 2.0)****ISPN 77125-600**

Create and enhance color and gray-scale images either from scratch or by importing them from other programs for coloring.

Resembles the painting program that came with the original Macintosh but has more powerful graphics manipulation capabilities. Reads MacPaint, PICT I, PICT II, or Encapsulated Postscript files. Drawings or scanned images can be manipulated by other graphics processing tools, and then imported into PIXEL PAINT for finishing color. Provides maximum control over detail work, and the flexibility to create visual effects with color gradients. Unique pop-up color wheel and menus make working on a big screen even more productive. Includes a wide variety of standard palettes to create distinctive moods, such as pastel hues for a landscape or bright primary colors for a chart. The entire spectrum of 16.8 million Macintosh colors is accessible by defining color palettes of up to 256 colors at a time. When printing, PIXEL PAINT describes each screen pixel as a PostScript object, taking into account color and gray-scale values. Color imaging devices such as film recorders are supported. Printers supported include ImageWriter II, Imagewriter LQ, Laserwriter, Linotronic 100 & 300, and various color output devices. Recommended hardware includes 2 megabytes of RAM, hard disk, color monitor and an 8-bit video card.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------|-----------------|---------------|--------------|
| APPLE MAC II | 3 1/2-inch disk | 1024K | \$395.00 |

MICROSOFT CORP.**POWERPOINT (VER. 2.01)****ISPN 53150-540**

Design presentation visuals, arrange and organize a presentation and develop audience handouts.

Includes word processing capabilities for multi-level bullet charts, diagram drawing tools for illustrations and on-screen slide sorters. Supports standard slide sizes from overhead transparencies to 35mm slides. Works with an entire presentation at one time eliminating the need to maintain an unwieldy assortment of individual drawings in separate files. Special purpose drawing tools are provided for diagrams and illustrations where on-slide symmetry is important. Company logos, borders, dates and slide numbers placed on the Master Slide give visuals a standard look. Slides in multiple presentations may be arranged and rearranged or combined with other presentations using the title and slide sorters. Business graphics and text can be imported from virtually every Macintosh program like EXCEL and WORKS from Microsoft, CRICKET GRAPH and CRICKET DRAW from Cricket Software, MacDraft from IDD Inc. and MacPaint, MacDraw from Apple. Included is The Guide to Powerful Presentations and Presentation Library, a disk full of pre-designed formats and slide layouts to assist users in preparing presentations with maximum visual impact.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$395.00 |

Requirements: Two 800K disk drives or a hard disk. Apple-supported impact and laser printers.

BRODERBUND SOFTWARE, INC.**PRINT SHOP****ISPN 08850-125**

Grades K-12: School-age children can create their own greeting cards, stationery and banners.

PRINT SHOP is a perfect young person's introduction to textual and graphic design. Students will quickly learn to make personalized, colorful greeting cards, correspondence and banners in their choice of designs. Provides a wide variety of borders, backgrounds and logos. They can also invent their own designs and print graphics generated by other programs. Messages can be personalized with text that is large or small, outline or solid, 2-D or 3-D. PRINT SHOP is compatible with a number of Commodore, Commodore graphics and Atari printers. Color printing is possible on the Imagewriter II. The school edition comes with a teacher's guide and backup disk.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| <i>Requirements: Printer.</i> | | | |
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$59.95 |
| <i>Requirements: School edition.</i> | | | |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$44.95 |
| <i>Requirements: Graphics interface, double-sided disk drive, printer.</i> | | | |

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$59.95

*Requirements: Printer.***BRODERBUND SOFTWARE, INC.****PRINT SHOP GRAPHICS LIBRARY IIGS SAMPLER EDITION****ISPN 08850-546**

A starter collection of graphics for use with the Apple IIGS Printshop program.

Contains 190 graphics and designs. The disk contains ten new fonts, multicolored borders, 30 background patterns and fifteen full-panel designs. Provides user with a variety of subjects such as, pigs, pirates, penguins, dinosaurs, drums and double-dip cones. Themes include school, business, sports, food and travel. Features full-colored graphics. Applicable for holidays, birthdays, weddings and anniversaries. Color printing is supported on Apple ImageWriter II Scribe, C. Itoh 8510SCP, Epson JX-80, EX-800 with color option installed, Juki 5510, and Okidata Microline 292, Okimate 20. Single-color printing is supported on Admate DP-100, Apple DMP, ImageWriter/ImageWriter II, Scribe, Blue Chip M120/10, BMC BX-80, Centronics GLP Axiom SLP, Citizen MSP15, C. Itoh 8510 Prowriter/8510 SCP, Riteman II, Epson EX-800, FX-80/85/100, JX-80, LQ-800/1000/1500/2500, MX-80 with Grafrax/100, RX-80/100, Juke 5510, Legend 880, Mannesmann Tally Spirit 80, NEC 8023A, Okidata Microline 92/93/182/192/292, Okimate 10/20/120, Panasonic KX-P 1090/1091/1092, and Star Micronics Gemini 10x/15x, NL-10, SD-10. Special features include 75 multicolor graphics, ten multicolor letterheads, 20 multicolor and ten monochrome borders, ten multicolor and ten monochrome pixel patterns.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$34.95

*Requirements: Print Shop IIGS (ISPN 08850-549).***UNISON WORLD****PRINTMASTER PLUS****ISPN 83678-725**

Print signs, banners, calendars, schedules, logos, stationery, invitations, flyers and more.

PRINTMASTER PLUS lets you be a graphic editor. The graphic editor feature allows you to manipulate existing images or create your own, and place graphics anywhere on your page. You can save and retrieve your designs, and use the preview mode to see your creation after adding each design element. Text capabilities include the ability to mix fonts on a page. You can use PRINTMASTER PLUS to create everything from schedules to greeting cards to announcements. The program uses easy menus and comes with a 'plain English' how-to manual. Contains a selection of 111 picture graphics, 11 patterns and 11 borders and provides ten fonts in five typestyles.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$34.95

COMMODORE AMIGA 500, 1000, 2000

3 1/2-inch disk

512K

\$59.95

IBM/MICROSOFT PC/MS-DOS 1.0+

5 1/4-inch disk

256K

\$59.95

Requirements: CGA, Hercules Graphics Adapter, or compatible 640x200 card.

IBM/MICROSOFT PC/MS-DOS 1.0+

3 1/2-inch disk

256K

\$59.95

HI-TECH EXPRESSIONS

PRINTPOWER

ISPN 35609-650

Create greeting cards, invitations, announcements and tent cards as well as signs, posters and flyers.

PRINTPOWER gives your PC graphic power. Visualize your work as it is created with the on-screen template. Edit text line by line, and overlay text onto graphics. Set type up to eight inches high for banners and enclose your design with any of 40 different borders. Includes six type faces such as bold, italics and special effects. Work in three formats and use any of six type faces with any of seven variations. Print 60 different graphics. Use with Awardware (ISPN 35609-500).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$14.95 |

TIMEWORKS, INC.

PUBLISH-IT!

ISPN 82000-601

A comprehensive text and graphics tool for professional publishing results.

PUBLISH-IT! brings high-quality publishing capabilities to your home or office. You can quickly access its many text, graphics and page layout functions. Go ahead and create your own page designs - all while your document is right on screen. You can move text and graphics anywhere you desire, even change their sizes using your mouse, joystick or keyboard. The graphic 'tool box' lets you draw lines, circles and rules, then choose from a variety of built-in or custom line and fill patterns. The program automatically wraps text around graphic objects. PUBLISH-IT! presents everything as an exact representation of the finished printout. In the IBM version, you can import graphics and illustrations from Lotus 1-2-3 (ISPN 45525-050), Gem Draw (ISPN 25550-531), Gem Graph (ISPN 25550-520), PC Paintbrush (ISPN 97803-610) or Publishers' Paintbrush. In the Apple version you can use Dazzle Draw (ISPN 08850-62), Print Shop (ISPN 08850-125) or any double high-resolution. A built-in word processor is part of the package. For creating special effects with PUBLISH-IT!, you simply experiment with its layout and typesetting options, including kerning, typefaces and styles and more - includes over 1200 possibilities. Both headlines and body copy can be printed in serif and nonserif formats, in bold, italic, underlined, outlined, shadow, super - or subscript. PUBLISH IT! further simplifies document design with selectable page guides. The 'snap-to' feature automatically slides objects and text into position on the page. You can place objects within 1/100th of an inch of where you want them. Quick-keys execute long commands with one keystroke. PUBLISH-IT! even provides sample formats for newsletters, business reports, brochures and forms.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$99.95 |
| <i>Requirements: Mouse or joystick, printer.</i> | | | |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 128K | \$99.95 |
| <i>Requirements: Mouse or joystick, printer.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 640K | \$199.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 640K | \$199.95 |
| <i>Requirements: CGA, EGA, VGA, or Hercules card.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$395.00 |

ZSOFT CORP.**PUBLISHER'S PAINTBRUSH (VER. 1.6)****ISBN 97803-605**

Provides third generation paint functions to create, capture and edit for importation to page layout programs.

Produces text in three ways including bitmapped fonts for small characters, stroke fonts for large characters and curvilinear fonts for huge characters. Point size for any font character can be varied from four points up to over 300 points. The intercharacter (kerning) and/or the interline spacing (leading) can be set to the nearest 1/25 EM space with any font. The text baseline can be angled from zero to 360 in one increments and angle the slope of italicized characters from zero to 90 in one increments. Allows for screen editing of an entire page. The image that needs to be edited can be reduced down to screen size and edited. This editing is performed at the resolution desired by the user. Two levels of 'Zoom In' are provided for close up editing of individual pixels. Four levels of 'Zoom Out' are provided for editing picture elements that are larger than the screen and large images. Editing is performed at a resolution limited only by computer memory and enables the user to draw at the resolution of the print device, not the screen. WYGIWYE or What You See Is What You Get prints pixel for pixel with no jagged edges. Supports most image scanners and laser printers at 300 DPI and high-resolution, large screen monitors. Editing of 8 1/2 x 11 size requires a minimum of 2 megabytes of expanded memory. Recommended: PC AT, drawing device, hard disk, scanner, laser printer, and an EMS memory board.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

640K

PRICE

\$285.00

ZSOFT CORP.**PUBLISHER'S TYPE FOUNDRY (VER. 1.1)****ISBN 97803-612**

Contains a Bitmap Editor, Outline Editor, and PC Paintbrush for Windows that allows design or editing of fonts.

PUBLISHER'S TYPE FOUNDRY lets the user edit pre-existing bit-mapped and stroke fonts from a variety of sources and produce whole families of high-quality laser printer, desktop publisher, and graphics fonts. It is possible to design fonts entirely from within PUBLISHER'S TYPE FOUNDRY (PTF). PTF's digital typography system consists of three main components: the 'bitmap editor' for editing and creation of bitmapped fonts, the 'outline editor' for editing and creation of linear stroke fonts and curvilinear (Post-Script printer) stroke fonts, and 'PC Paintbrush + for Windows' for image scanning, manipulation, and editing capabilities. Translating modules virtually transparent to the user are also provided to interface certain font sources with the PTF's system components. The PTF's system runs under Microsoft Windows, giving the user the versatility to run multiple system components simultaneously, switching between applications at a click of the mouse. The outline editor operates at the extremely high resolution of 3000 dpi, and the bitmap editor lets the user edit font characters on a pixel-by-pixel basis and perform such complex transformations as rotates, flips, and shrink/grow. The fonts edited/created with the bitmap editor can be sized up to 150 pts by a single menu option. Fonts can be transferred between the two PUBLISHER'S TYPE FOUNDRY editors. For instance, fonts edited or created with the outline editor transfer to the bitmap editor where the font can be easily edited and touched up on a character-by-character basis. Runs on all local area networks. Recommended: PC AT, color monitor, hard disk, EMS memory, and a scanner.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Microsoft Windows (ISPN 53150-735), display adapter, drawing device.</i> | 3 1/2-inch disk | 640K | \$545.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Microsoft Windows (ISPN 53150-735), display adapter, drawing device.</i> | 5 1/4-inch disk | 640K | \$545.00 |

LETRASET USA**READY,SET,GO! (VER. 4.5)****ISPN 44293-600**

Creates any document from office memos to full-length novels and includes graphics capability.

READY,SET,GO! integrates a versatile word processor with a powerful desktop publishing program to save users production time. Users can also produce camera-ready art on a LaserWriter or Lindran typesetter. Interface now includes scroll bars, zoom and close boxes, rulers, page scrolling icons and a fully-loaded graphic toolbox replete with hairlines, dashed lines, scotch and double rules. Kerning feature lets user manually kern any highlighted text or automatically kern an entire article. Has a 100,000 word spelling checker with dictionary update facilities such as global search and replace, global font, style, and size changes. Additional word processing features include keystroke glossaries for boilerplate text handling, preformatted or customizable snap to grid layout system, real time hyphenation, automatic or manual kerning in functional-point increments, variable baseline shifts, and automatic runarounds. Allows unlimited number of document windows, batch page creation with global text linkage, interactive editing and composition in five views, and unlimited page capacity. Desktop publishing features include views with size to fit, half size, 75 percent size, actual and double. The user can choose between centimeters, inches, or picas and points. External drive is recommended with the 512K Macintosh. Features gray scale image control and read/write tagged text.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$495.00 |

FARALLON COMPUTING, INC.**SCREENRECORDER (VER. 1.0)****ISPN 91809-725**

Allows you to create a continuous 'tape' of the activity on your Macintosh screen.

With SCREENRECORDER, the tape can then be stored on a disk or transferred to another Macintosh and played back at a later time. SCREENRECORDER is not a macro. Once you've made a tape using any application, you can play it back without that application being present. You can record, stop, play, pause or eject the tape by clicking the mouse. This program is suitable for making desktop presentations or demonstrating products. Use it to train new employees or help users learn new programs. Any program that can be run on a Macintosh can be recorded, saved and played back. SCREENRECORDER tapes may be saved into HyperCard (ISPN 03900-300) to create multi-media presentations for playback on any Macintosh.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$195.00 |

BRIGHTBILL-ROBERTS & CO. LTD.**SHOW PARTNER (VER. 3.0)****ISPN 08462-700**

Jazz up desktop presentations with over 50 special effects, animation, color and sound.

SHOW PARTNER adds new pizzazz to your presentations. You assemble 'slides' and sound and any of dozens of special effects, then edit everything like a pro with built-in editing modules. Another module shows the run-time and allows you to distribute the presentation free of charge. Capture 'snapshots' of most screens created by a DOS application. Call up screens from the Microsoft Windows operating environment. A mouse is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 325K | \$99.00 |
| <i>Requirements: EGA, CGA, VGA or Hercules graphics card.</i> | | | |

BRIGHTBILL-ROBERTS & CO. LTD.**SHOW PARTNER F/X (VER. 3.2)****ISPN 08462-800**

Desktop presentation software using advanced animation, special effects, color and sound.

Includes Doscapp, a memory resident program that creates snapshots of screens created by nearly any MS-DOS application. Graphs, word charts, drawings and text screens may be captured. Wincap captures screens from the Microsoft Windows operating environment. Slide Show Editor assembles screens into a slide show type format. Script Editor is a full-featured complement to Slide Show Editor, for creating shows of any complexity with over 50 special effects. Graphix Editor is a memory resident paint program that edits the graphics screens captured. Show-the run-time module allows for distribution of presentation free of charge. Object Editor creates sprites using four or sixteen colors, lines, and advanced animation to 60 frames per second. Text Paint edits captured text screens, adds color to highlight, cut and paste blocks between text screens and sets color of background and text. Font Editor modifies the 30 fonts included or creates fonts and allows for importing fonts from other application software: Outline, boldface, italicize or shadow. F/X Master automatically creates distribution disks and compresses pictures, hides scripts and pictures, encrypts scripts to protect creative work. F/X Access allows for access to all F/X programs from a single menu. F/X Convert contains a series of utility programs that convert images to or from Show Partner, BASIC, PC Storyboard and PC Paintbrush. Allows for interactive demonstrations and branching. Using the memory resident run-time module a presentation may be called from any application. Advanced memory management allows for the loading and unloading of files into unused areas of RAM, which puts disk reads during a show to a minimum. Allows for the reading in and display of ASCII files in a scrolling format.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 512K | \$350.00 |
| <i>Requirements: CGA, EGA, VGA or Hercules Graphics Adapter, mouse.</i> | | | |

SOLUTIONS INC. (VT)

SMART SCRAP & THE CLIPPER (VER. 2.01)

ISPN 74437-110

A pair of graphic desk accessories that are used to store and size graphics. Smartscrap is an improvement on the old scrapbook.

Users can select part of a page rather than only the entire page, scroll horizontally and vertically around a page, switch scrapbooks easily and find pictures with a pictorial table of contents made up of miniature pictures of all the pages in the scrapbook. The CLIPPER is a tool for sizing and cropping pictures that have been copied onto the clipboard. Gives the user a fast, accurate way to reduce or enlarge clip art or pictures to fit the exact space left in a document. Program is not copy protected. Includes ScrapMaker, which automatically loads PICT and Paint pictures in a scrapbook.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$89.95 |

Requirements: 800K disk drive.

SPRINGBOARD SOFTWARE

SPRINGBOARD PUBLISHER

ISPN 75309-900

A desktop publishing program with text and graphics.

SPRINGBOARD PUBLISHER includes text entry and editing, an extensive library of graphics and control of all elements on the page down to the pixel level. Supports 24-pin and 9-pin dot-matrix printers. All tools are available on a single screen from pull-down menus. The user never has to leave the page to set document parameters, enter text and add graphics or make changes. Both text and graphics can also be imported from outside sources. Page layout features include text that automatically flows around graphics or inset text areas (zoom from page to text to graphics), multiple-column pages with variable-width columns, automatic borders to separate sections of the page, and the capability to insert and overlap both text and graphics. Word processing features include multiple fonts in a variety of styles and sizes, as well as bold, italic, shadow, outline, superscript, or subscript text. Users can create freehand drawings, edit graphics pixel by pixel and enter vertical or diagonal text in graphics areas. Graphics can also be modified using mirror, flip, resize, combine, or overlap functions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$139.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 128K | \$139.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$129.95 |
| <i>Requirements: Graphics adapter, mouse, and hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$129.95 |
| <i>Requirements: Graphics adapter, mouse, and hard disk.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$199.95 |

LETRASET USA

STANDOUT

ISPN 44293-610

Create color transparencies and slides with integrated charting capabilities including pie, scatter, line, bar and column charts.

Provides 'Desktop Presentation' capabilities. Includes access to 16.8 million Macintosh II colors. Users can edit, mix, and store colors, and generate a wide variety of custom palettes. Offers WYSIWYG (What you see is what you get) text editing with kerning for professional headlines and titles, stylesheets for global re-formats, and spell-checking. Users can import files from word processing documents, spreadsheet data and graphic file formats including MacPaint, PICT, PICT II, EPSF, TIFF and RIFF. Color output can be printed provided the output device supports color, otherwise ReadySetShow automatically maps color to monochrome. Compatible with the Abaton Scan 300, AST TurboScan, Datacopy model 730 and JetReader, Dest's PC Scan Plus, Hewlett Packard's ScanJet, MacVision from Koala, MS-300A, MSS-300G, MS-300C and MSS-300C from MicroTek, MacScan and Magic from New Image Technology, Thunderscan from Thunderware, Apple Scanner and Sharp color scanner. Printers supported include the ImageWriter I, II, LQ or wide carriage. Also supports LaserWriter, Plus, II SC, II NT, II NTX from Apple, General Computer Personal Laser Printer, Tektronic 4693D, and Pan Chroma CHC-335 from Computer Friends. The Product ships with two color palettes, each of which allows simultaneous display of 256 colors. Typesetters supported include the Linotronic 100 and 300 from Linotype. Film Recorders that are compatible include the ImageMaker from Presentation Technologies, FilmPrinter from Mirus, SlideWriter from Matrix, and the Personal Film Recorder from Lasergraphics. Compatible with Apple's AppleShare (ISPN 3900-100), Tops from Sun (ISPN 11962-700), and 3Com 3 Plus from 3Com.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$295.00

ELECTRONIC ARTS**STUDIO/8****ISPN 28512-008**

A color paint program featuring 256 colors and several tools which can be modified in a variety of ways to produce images.

STUDIO/8 provides a range of tools along with an additional set of nine tool modifiers to customize the tools in a variety of ways. Accessible from the icon tool box, these tools let an artist dictate how objects are created, where they are placed and how they are filled. Up to eight different airbrushes, each with a different rate of flow and speed, may be saved and accessed from the icon tool box. Virtually any image or section of image may be picked up and used as a paintbrush to create custom effects. Magnification mode features four levels of magnification. The magnification window can be resized and moved anywhere on-screen, the magnification window can be turned into a magnifying glass and moved fluidly on-screen, and all tools work in both the magnification window and the regular view window. You can turn any shape or combination of colors into a paintbrush for unlimited special effects. You can also create a brush by lasso, rectangle, polygon, free shape, color, or last tool used. Enables you to select alternate black grid or white grid for exact pixel placement. Includes an on-line help manual, a disk with a library of backgrounds, and a disk with a library of textures such as marble, wood and granite.

SYSTEM

APPLE MAC II

MEDIUM

3 1/2-inch disk

MEMORY

2048K

PRICE

\$495.00

SOLUTIONS INC. (VT)

SUPERGLUE II WITH GLUENOTES (VER. 2.01)

ISPN 74437-700

Captures data that normally goes to a printer and saves it on disk. Allows attachment of electronic notes or graphics.

SUPER GLUE II creates black and white or full color images from the QuickDraw commands that would usually go to the printer. Prints the file to disk so it can be used later. SuperViewerDA lets users open, view, print or copy images (plus MacPaint and PICT documents) while in any program, including page layout software. GlueNotes puts the electronic equivalent of Post-It notes on image documents. Recipients can view or print notes including text or graphics with the image, edit or add to the notes, or hide them before printing or copying from the image. Provides built-in font substitution. Change fonts used in the original image so users can view, copy or print an image which contains fonts you don't have. Text extraction takes text and numeric data from images and transfer it to any other computer program. Allows transfer of all ASCII characters (text and numbers) including tabular data for spreadsheets and databases with specified field delimiters. PageMaker (ISPN 02226-700) and VideoWorks (ISPN 45904-440) accept Glue images with their PLACE command. Provides an optional FontLock, Character Lock and Line Lock. A pictorial Table-of-Contents displays thumbnails (small pictures) of the pages of an image document when opened with SuperViewer. Automatically saves images into scrapbook files or as a folder of PICT documents for later reference, use in other programs, or creating slides with slide makers. Users can scale graphics before changing them to an image with the new SuperImageSaver. Includes a free to distribute program, the Glue Viewer, so others can open and print images sent. An INIT is included, the OneTimer, which allows users to reset the Chooser desk accessory for one print job and have it automatically revert to previous settings when done.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$119.95

SILICON BEACH SOFTWARE

SUPERPAINT (VER. 2.0)

ISPN 70237-020

Combines features of MacPaint and MacDraw with 300 dots per inch editing. Supports LaserWriter fonts.

Combines the functionality of both MacPaint and MacDraw. The 8x10 page has a layer for editing dots as in MacPaint and it has a layer for manipulation objects as in MacDraw. Full screen editing is allowed. Multiple windows can be opened simultaneously. Three levels of magnification make precision work easy. A Reduced View mode lets the user work with the normal view, and see the effect on the entire page in the reduced view. Shapes can be drawn bigger than the screen, as all drawing tools feature automatic scrolling. Circles and squares can be drawn from a center point, not just the corner. Text can be edited and can use LaserWriter fonts. SuperPaint can open and save MacDraw PICT, MacPaint and Startup Screen files. Multiple copies of any document can be printed and color printing with the ImageWriter II is supported. Best of all, for desktop publishers, there's LaserBits. This feature allows dot-by-dot editing at 300 dots-per-inch resolution. These graphics can be pasted into other programs and they retain their 300 dpi resolution. Provides access to LaserWriter grays. There is an additional pattern palette in the program that has only grays, and each one corresponds to one of the LaserWriter grays. These patterns are used in objects to produce 300 dpi grays.

SUPERPAINT is compatible with large-screen devices for the Macintosh, since it adheres closely to guidelines published by Apple Computer. Provides AutoTrace, the capability of automatically tracing bitmapped images in the Paint layer to create object-oriented line art in the Draw Layer. Custom tools can be programmed and inserted into the tool palette. The Freehand tool is capable of drawing editable Bezier paths in the Draw layer. The SuperBits feature allows editing of bitmapped images at any resolution specified by the user.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$199.00 |

SYMANTEC

TIMELINE GRAPHICS (VER. 1.1)

ISPN 77413-450

An add-on graphics package for Timeline -- create professional presentations for customers.

TIMELINE GRAPHICS gives you the ability to produce well-organized and attractive business presentations. You select from eight different pen colors and paper sizes between 8 1/2 x 11 inch and 34 x 44 inch. You also define text, symbols and milestones and customize title block information. Time scales can be by day, week, month or year. You can produce graphs in three different formats. Supports most popular plotters.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$195.00 |

Requirements: Time Line (ISPN 90655-400).

BEAGLE BROTHERS

TIMEOUT GRAPH

ISPN 07162-505

Creates graphs from AppleWorks spreadsheet and database data. Choose from nine graph types.

TIMEOUT GRAPH offers nine graph types which include: Bar, line, pie, XY (scatter), stacked bar, area, hi-lo, exploded pie, and point. Features include automatic or manual scaling of the X and Y axes, graph and axes titles, legends, axes labeling, horizontal and vertical grid lines, axes formatting (fixed, digits, dollars, comma, percent), symbol and line formatting, and user selected symbols and fill patterns. Can save graphs as pictures, allowing the user to overlay them on pictures or other graphs or use them in other programs. Graphs can be printed in several sizes on most dot-matrix printers. Integrates within AppleWorks (ISPN 12784-100), eliminating the necessity of transferring data.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$89.95 |

Requirements: AppleWorks (ISPN 12784-100).

SPRINGBOARD SOFTWARE

TOP HONORS (VER. 1.02)

ISPN 75309-700

Allows you to create professional awards and certificates of distinction with your laser printer.

TOP HONORS utilizes PostScript laser printing technology to bring you first-class awards without the expense of traditional typesetting and printing. Gives you uncompromising flexibility. You choose your own page orientation, borders, seals, graphics, font formats, font sizes and signature line locations. With this kind of flexibility you are free to create any kind of certificate, award or diploma you want. Examples include high school or college diplomas, sales performance awards, gift certificates, volunteer awards, sporting achievement awards and customer appreciation notices.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.95 |
| <i>Requirements: System 4.2 and Finder 6.0 or higher.</i> | | | |

BRODERBUND SOFTWARE, INC.

TYPESTYLER

ISPN 08850-155

Enables you to manipulate type to produce special effects. You can bend, twist, stretch, rotate and flip type.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$199.95 |

130 PRODUCTIVITY/GRAPHICS (COMMERCIAL ART)

BOX OFFICE SOFTWARE

ALF'S PARTY KIT!

ISPN 08327-110

Party with America's favorite alien - Alf! Plan your surprise parties, birthday parties or any special events.

ALF'S PARTY KIT! creates specialized party invitations, party games and personalized certificates. Reward friends and family for their outstanding performances with the Alf Award Maker - certificates, awards and diplomas are easy and fun to make. Alf has enclosed gold stickers to make them even more special. Alf and you can design games like Word Find, Dot-to-Dot and even Pin the Tail on the Cat (Alf's personal favorite). You can also create personalized party hats, name tags and place mats.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.99 |
| <i>Requirements: Printer.</i> | | | |

BAUDVILLE**AWARD MAKER PLUS****ISPN 07087-060**

Creates awards, certificates, licenses, coupons or other documents of the users' design.

AWARD MAKER PLUS prints hundreds of predesigned award styles, allowing user to choose a text style, enter a message, select the border style and color, and in some styles even enter hi-res pictures. Features professionally designed black and white or color borders, gold embossed press-on seals and class name file capability. Printers supported include ImageWriter, ImageWriter II, Apple DMP, Apple Scribe, LBMC BX-80, C.Itoh 7500, 8510SC, Citizen MSP 10 and 15 and 20 and 25, Data Products Microprism and Color, Epson FX80/100 and LX80 and LQ1500 and MX80/100 and RX80 and JX80, EX800; Gemini 10X and 15X; IDS; Mannesmann-Tally Spirit 80; NEC 8023/8025, Okidata 82A, 83A, 84, 92, 93, 182, 183, 192, 292, 293. Additional printers supported are Okimate 20, Panasonic, Prism, Prowriter, Star Micronics SD, and SG and SR. Interface cards included are Apple IIC, IIGS, Comm, Parallel, Serial, Super Serial, Protocol 1.0, Protocol 1.1, Apricorn Graphics, Parallel and SS, AST Multi I/O, CCS 771 Serial, 772 Parallel, 7710A Serial and 7728/7729, 7731, Dispatcher, Dual-Comm, Dumpling GX, and 64, Epson APL, Fingerprint, Fingerprint+ Parallel and Serial, Fourth Dimension, Grafstar I and II, Grappler+ and +Serial, K-T Parallel, Microbuffer II, Pkaso and Printermate.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

SPRINGBOARD SOFTWARE**CERTIFICATE LIBRARY (VOL. 1)****ISPN 75309-020**

Provides 100 certificates to be used with the Certificate Maker program.

Expands the creative possibilities of certificate maker with more certificates. Choose from more than 100 new certificates for home, school or business. Select from 24 original new borders and six dozen stickers to enhance your certificates.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Certificate Maker (ISPN 75309-025).</i> | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE 64/128 <i>Requirements: Certificate Maker (ISPN 75309-025).</i> | 5 1/4-inch disk | 64K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Certificate Maker (ISPN 75309-025).</i> | 3 1/2-inch disk | 256K | \$29.95 |

SPRINGBOARD SOFTWARE**CERTIFICATE MAKER****ISPN 75309-025**

Enables the user to create and print 200 professionally designed certificates from strictly official to fun and witty.

The user can create certificates for family members, to praise a student, applaud an athlete or honor an employee. Simply choose a certificate, select a border, type in the

message, add a date and signature and print it out. The user can create a name file and automatically personalize certificates for members of a class or a club. A second disk drive is optional.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 256K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$14.95 |
| <i>Requirements: Printer.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| <i>Requirements: CGA, 1 double-sided disk drive and a dot matrix printer</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$39.95 |
| <i>Requirements: CGA, 1 double-sided disk drive and a dot matrix printer.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$39.95 |

COMPUTER ASSOCIATES/CRICKET SOFTWARE DIVISION

CRICKET DRAW (VER. 1.1.1)

ISPN 35512-020

An object-oriented drawing program for the Macintosh that has been designed to get the most from PostScript printers.

Provides powerful capabilities for manipulating text and graphics while maintaining an interface that is easy to learn and use. Makes it easy to create complex PostScript effects that unleash the graphics potential of the Apple LaserWriter and other PostScript printers. Features the ability to create high resolution text effects including shadowed text, tilted text, rotated text and text placed on a curved path, the easy creation of smooth Bezier curves, graded tint capabilities for the creation of shadows and fountains, and unrestricted shading, screening, rotation and tilting of objects.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$295.00 |

SOLUTIONS INC. (VT)

CURATOR (THE) (VER. 1.05)

ISPN 74437-115

Contains an art manager and integrator for the desktop publisher and graphics professional.

Locates artwork using names, keywords or miniature pictures. Provides a way to integrate artwork from Tiff, Encapsulated PostScript, Pict, Glue, PostScript and MacPaint formats. Converts between many graphic file types. Distributed in both application and full-featured desk accessory form for ease of use with other applications. TIFF can be displayed at actual size or enlarged to show each dot. Not copy protected. Program is compatible with Multifinder.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$139.95 |

PUBLISHING INT'L.

HOMETOWN, U.S.A.

ISPN 63743-100

Provides a series of plans for model buildings (house, store, church, railway station, etc.) from a typical small American town.

HOMETOWN, U.S.A. is designed to produce models of the various buildings available, for decoration or various other purposes. Includes 15 basic building types. The user can customize the buildings with windows, doors, signs, fill patterns and custom graphics to make each unique.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$39.95 |

SPRINGBOARD SOFTWARE**NEWSROOM**

ISPN 75309-510

Enables user to become a reporter, editor, artist and a press operator. An ideal program for school or class newspapers.

Features include a choice of five typestyles for text and six hundred pieces of onscreen clip art for illustrations. Also includes the ability to make your own graphics. Has two columns and one heading. A comprehensive manual contains suggestions for gathering information, writing stories and organizing a classroom newspaper.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$19.95 |

Requirements: CGA.

ZSOFT CORP.**PC PAINTBRUSH PLUS FOR WINDOWS (VER. 1.1)**

ISPN 97803-601

A free-hand graphics program for graphic illustration, image creation and editing with support for any PC compatible scanner.

PC PAINTBRUSH PLUS FOR WINDOWS supports just about any scanner. A virtual memory technique lets you do full-page black and white scanning and editing. Allows you to make freehand drawings with adjustable brush widths. Creates lines, curves and geometric shapes. Will cut, copy and paste portions of your images, even if they're bigger than screen size. Will tilt, rotate, flip, shrink the shapes. Zooms in for pixel editing or zooms out for viewing. Adds colors and patterns and allows you to type headings or captions with special fonts in adjustable point sizes. Saves and loads your images in PCX and TIFF formats. Allows you to adjust brightness and contrast. Select halftone patterns, page size and scan area. Choose a negative or positive image. RE-scale images(25 to 400 percent). Moves freely back and forth with other applications so you can collect, combine, edit and paste images together.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

640K

PRICE

\$149.00

EPYX, INC.**PRINT MAGIC****ISPN 29575-201**

Provides tools and graphics for creating personalized designs.

Requires no special skills yet it allows users to manipulate words and pictures in many combinations. Text and graphics can be placed anywhere on the page and the high-resolution graphics can be flipped, inverted, copied, enlarged or completely modified. Graphics and text can be cut and pasted from one page to another. Original designs can be created through the use of a complete drawing toolbox which includes 24 paint brushes, five pens, a variety of patterns and automatically generated circles, ovals, boxes, rectangles, and lines. Users can zoom-in to polish up details and then pull back to see the entire screen. Some suggested uses are cards, flyers, banners, certificates, logos, invitations, stationery and student report covers. Includes a collection of detailed graphics, typefaces and borders.

SYSTEM

APPLE IIC, IIE, IIGS

*Requirements: Printer.***MEDIUM**

5 1/4-inch disk

MEMORY

128K

PRICE

\$49.95

APPLE IIC, IIE, IIGS

Requirements: Printer.

3 1/2-inch disk

128K

\$49.95

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: Printer.

5 1/4-inch disk

128K

\$59.95

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: Printer.

3 1/2-inch disk

128K

\$59.95

EPYX, INC.**STICKER MAKER****ISPN 29575-735**

Create name tags, campaign buttons, awards, VCR labels, reminders, mailing labels, holiday gift stickers, decals, or personal insults.

Consists of detailed graphics, borders, and typestyle designs. For use at home, school and work. Includes over 100 uniquely shaped stickers for printing.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$39.95

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

128K

\$39.95

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

128K

\$39.95

133 PRODUCTIVITY/GRAPHICS SUPPORT

SILICON BEACH SOFTWARE

DIGITAL DARKROOM (VER. 1.1)

ISPN 70237-150

A computerized darkroom that enhances and composes scanned images such as photographs.

Brings in bit-mapped images from paint programs or scanners and enhances or converts them into draw-based objects. Image enhancement features include adjusting the brightness and contrast with slider controls and passing the image through filters that blur, sharpen, remove noise and enhance edges. By selecting a menu, the user can remap gray values to produce special effects such as posterizing, equalizing, and inverting, or customized effects by manipulating gray values within a graph or a dialog box. Image enhancement features and cut and paste operations can be applied to the entire image or to selected regions. The 'magic wand' tool is used to select a region according to the gray value by simply pointing and clicking. Portions of an active selection can be clipped and deleted with the Scissors tool. Can paste selections in front of an existing image, blend with it, or paste behind it. Imports and exports files in PICT, PICT-2, TIFF, MacPaint, SuperPaint, and Thunderscan formats as well as the EPS or Adobe Illustrator file format. Used with the MacVision camera-scanning system from Koala Technologies, DIGITAL DARKROOM can convert any 1-bit deep black and white Paint file or multiple-bit gray scale TIFF file to a richer 7-bit gray scale image. Screen angles, resolution, and screen patterns can be specified for printing halftones on PostScript printers. A hard disk drive is recommended.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$395.00

Requirements: 800K disk drive.

ALTSYS CORP.

FONTASTIC PLUS (VER. 2.0)

ISPN 02675-125

An enhanced version of Fontastic with multi-windowing, kerning pairs, fractional character spacing and new edit tools.

FONTASTIC PLUS includes variable size fatbits, and the capability to edit several fonts simultaneously, four levels of Undo, and a background editing plane. Customize any existing character set with logos or special characters. Characters or parts of characters may be flipped or rotated to quickly make other characters. Shuffle characters with cut and past to define keyboard arrangement. Create new fonts from scratch. Editing tools include a pencil, eraser, line, filled box, and filled oval or circle. Full character styling abilities include bold, italic, outline, shadow, underline, expand, condense, and invert. Print samples are available at any time during font development. Allows for font ID numbers larger than 256. Fonts can take up to 256K for each point size.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$99.95

ALTSYS CORP.**FONTOGRAPHER (VER. 3.0)****ISPN 02675-200**

A professional PostScript font editor for the Macintosh computer and PostScript printers.

FONTOGRAPHER is a specialized graphics editor designed to simplify the creation of high-quality fonts, logos and other intricate PostScript artwork on the Apple Macintosh. As an added benefit, FONTOGRAPHER provides the means to assign graphic images to any key or combination of keys, and the ability to instantly repeat and resize them anywhere. Allows new creation of images, enhancement of existing characters, as well as tracing mode for outlining of scanned images. Background scanned images can be scaled and moved into correct position and then deleted after tracing is complete. Features include auto-trace tool, automatic generation of PostScript and bitmap 'hints', and an integrated bitmap font editor. Using the tools available in FONTOGRAPHER, you can create high-quality logos, clip art, foreign characters, and custom fonts. Letters and special symbols from fonts can be altered to build logos of unlimited complexity, with scaling, rotation, skewing, stretching, obliquing, and shades of gray. Since characters are defined with cubic Bezier curves and straight lines, they can be attractively produced in any size or resolution.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |

SOFTWARE PUBLISHING CORP.**HARVARD GRAPHICS DESIGNER GALLERIES****ISPN 73300-303**

Includes broad gallery of sample charts and graphs for use with Harvard Graphics.

HARVARD GRAPHICS DESIGNER GALLERIES gives you the benefit of a professional graphic artist's expertise on a disk. When you know which style you like, use the matching templates to make your own chart. Then choose one of the specially designed color palettes included in this package that best matches your report or presentation, your audience, your company standards and your output. Each chart template has the optimal type size, text colors, bar, line or slice colors, and bullet points for the most effective presentation.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$99.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$99.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |

SOFTWARE PUBLISHING CORP.**HARVARD GRAPHICS QUICK-CHARTS****ISPN 73300-304**

A collection of 125 different charts most commonly used in business for use with Harvard Graphics.

HARVARD GRAPHICS QUICK-CHARTS allows you to select from a family of bar, line, pie, area, high/low, close and text charts to create the most effective report or

presentation. Use Harvard Graphics ScreenShow (ISPN 73300-301) to preview broad gallery of sample charts. When you know which style you like, use the matching templates to make your own chart.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$99.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$99.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |

SOFTWARE PUBLISHING CORP.

HARVARD GRAPHICS SCREEN UTILITIES

ISPN 73300-301

Includes three utilities to enhance the ScreenShow features of Harvard Graphics.

HARVARD GRAPHICS SCREENSHOW UTILITIES lets you capture any EGA PC text or graphics screen image and save it in a PCX paint file format for later use in Harvard Graphics on-screen slide shows. Whether you are putting together a presentation to a large audience, creating a training program for software users or producing your own demo show, HARVARD GRAPHICS SCREENSHOW UTILITIES your own. You can run your slide shows on a two-floppy disk system. Multiple-user licenses are also available for users who want to create and distribute their slide shows to associates, clients and customers. Copies a slide show and all of its charts from one disk or subdirectory to another.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$149.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$149.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |

SOFTWARE PUBLISHING CORP.

HARVARD GRAPHICS U.S. MAPMAKER

ISPN 73300-302

A database of United States' state outline, city coordinates and data to generate Harvard Graphics charts and symbols.

HARVARD GRAPHICS U.S. MAPMAKER allows you to create your own regions by choosing which states to include in each chart. Choose from six types of markers for your cities and add your own descriptive text. Then save your work as a Harvard Graphics (ISPN 73300-050) chart or symbols file. Use the award-winning Harvard Graphics' powerful Draw/Annotate capabilities to enhance your maps or combine them with other graphs before printing, plotting or producing slides. Lets you create color-coded maps, where different colors indicate higher or lower values, for example population or per capita income.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$149.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$149.00 |
| <i>Requirements: Harvard Graphics (ISPN 73300-050).</i> | | | |

LETRASET USA

IMAGESTUDIO (VER. 1.5)

ISPN 44293-300

Edits and processes continuous tone images that have been digitized and produces camera ready halftones.

A full grayscale paint program. Provides support for gray level images allowing users to retouch and incorporate true halftones into desktop publishing documents. Grayscale editing of 256 gray level files is supported at resolutions from ten to 2,000 dots per inch. Allows interactive image editing in viewing sizes from 6.25 percent to 1600 percent. Imports file formats such as TIFF, RIFF, ThunderScan, MacPaint, and FOTO (PageMaker 1.2) and can output as TIFF, RIFF, EPSF or MacPaint format. Gives interactive control over brightness and contrast settings. Provides a set of re-touching tools and a graymap editor which gives a variety of darkroom developing effects such as negatives, posterization and solarization. Selective filters allow sharpening, blurring or diffusing all or part of an image. There are user-definable configurations for pens and tools as well as a full range adjustment of tool pressure settings. The Macintosh II with a hard disk and a gray level monitor is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |
| <i>Requirements: Two disk drives or a hard disk.</i> | | | |

LETRASET USA

LETRASTUDIO (VER. 1.0)

ISPN 44293-400

Allows you access to the Letraset Type Library, thereby providing a significant choice in selecting display type for printed material.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |
| <i>Requirements: LetraFonts software, two disk drives or hard disk.</i> | | | |

LOTUS DEVELOPMENT CORP.

LOTUS FREELANCE MAPS-CONTINENTS AND COUNTRIES

ISPN 45525-086

Add a world library of maps to your Freelance Plus. Lets you merge Freelance Plus symbols with maps.

LOTUS FREELANCE MAPS-CONTINENTS AND COUNTRIES gives you detailed continent maps for business documents and presentation aids made with Freelance Plus (ISPN 45525-080). You can customize your Lotus 1-2-3 (ISPN 45525-050), Symphony (ISPN 45525-200) or Graphwriter (ISPN 45525-250) charts and combine them with maps, or achieve any combination of maps and text charts. The program also allows you to individualize maps with symbols from the Freelance Plus library of 500. You can also create your own symbols, drawings or diagrams. It enables you to read, customize and output chart files from Lotus 1-2-3, Symphony and Graphwriter. You may even want to graphically analyze data with Lotus 1-2-3 or Symphony. LOTUS FREELANCE MAPS - CONTINENTS AND COUNTRIES supports a number of printers including the Epson FX-80, MX-80 and RX-80; the Genicom 3304; HP Laserjet Plus; IBM Color Jetprinter,

Graphics Printer 5152002, Color Graphics Printer 5182001, Proprinter and Quietwriter Model 2; the IDS Prism 132 or compatibles; the Okidata Microline 82 or 92 and the Toshiba P351. It supports the Polaroid 320K Memory Palette, Matrix PCR or QCR, and Videoshow 150/160 image recorders. Compatible plotters include the HP 7470A, HP7475A, HP7550A and Colorpro; the Calcomp M84; the IBM XY/749 and Houston Instruments DMP-29. The Microsoft Mouse, Mouse Systems PC Mouse, Summagraphics Summasketch Tablet and Kurta Series 1 Tablet are optional output devices. You can use each input device alone or in conjunction with your standard IBM keyboard. You have the option of outputting to paper, or creating transparencies or slides.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$145.00 |
| <i>Requirements: CGA, EGA or Hercules Graphics Adapter, Freelance Plus (ISP# 45525-080).</i> | | | |

LOTUS DEVELOPMENT CORP.

LOTUS FREELANCE MAPS-U.S. COMPLETE SET

ISP# 45525-085

Enables the user to incorporate maps into business communications which are created with Freelance Plus for reports, memos and forms.

LOTUS FREELANCE MAPS-U.S. COMPLETE SET includes counties, three-digit zip codes, major cities and metropolitan statistical areas and Congressional districts. Combines complete graphics with a library of maps. Allows the user to customize Lotus 1-2-3, Symphony or Graphwriter charts and merge them with maps. Incorporates text charts into maps, or vice versa. The user can select a symbol from the Freelance Plus library of 500 symbols to include in the maps. User-created symbols can be included in maps and add original drawings and diagrams. Enables the user to read, customize and output chart files from 1-2-3, Symphony and Graphwriter. 1-2-3 or Symphony can be used to analyze data graphically. Supports printers including Epson FX-80, MX-80 and RX-80, Genicom 3304, HP LaserJet Plus, IBM Color JetPrinter, IBM Graphics Printer 5152002 and IBM Color Graphics Printer 5182001, IBM ProPrinter, IBM Quietwriter Model 2, IDS Prism 132 or compatibles, Okidata Microline 82 or 92 and Toshiba P351. Supports Image Recorders including Polaroid 320k memory Palette, Matrix PCR or QCR and Videoshow 150/160. Supports plotters including HP7470A, HP7475A and HP7550A, HP ColorPro, Calcomp M84, IBM XY/749 and Houston Instruments DMP-29. Optional Input Devices which are supported include Microsoft Mouse, Mouse Systems PC Mouse, Summagraphics SummaSketch Tablet and Kurta Series 1 Tablet. Each input device can be used alone or in conjunction with the keys on a standard IBM keyboard. Output options include paper, transparencies and 35mm slides.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$395.00 |
| <i>Requirements: CGA, EGA or Hercules graphics card, Freelance Plus (ISP# 45525-080).</i> | | | |

ALDUS CORP.

PAGEMAKER PORTFOLIO-DESIGNS FOR NEWSLETTERS

ISP# 02226-740

Includes 21 different newsletter formats designed to help PageMaker users produce better-looking publications.

In PAGEMAKER PORTFOLIO-DESIGNS FOR NEWSLETTERS, the designs, or templates, are packaged on disk and accompanied by a step-by-step instruction manual that explains how users can incorporate their own copy, headlines and artwork into a finished newsletter. The manual also gives users advanced techniques for adding a designer touch to their newsletter efforts. Runs with PageMaker 1.2.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.00 |
| <i>Requirements: PageMaker (ISPN 02226-700).</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.00 |
| <i>Requirements: PageMaker (ISPN 02226-700).</i> | | | |

SOFTWARE PUBLISHING CORP.

PFS-FIRST PUBLISHER-HOLIDAYS

ISPN 73300-030

A graphics package that includes clip art to commemorate most major holidays.

PFS-FIRST PUBLISHER-HOLIDAYS gives you a cornucopia of colorful graphics to celebrate all the major holidays. The package includes images for Christmas and Hanukkah, Thanksgiving, Independence Day, Easter, Valentine's Day, Mother's Day, Father's Day, Halloween and graduation. PFS-FIRST PUBLISHER-HOLIDAYS must be used with PFS-First Publisher (ISPN 73300-025).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.00 |
| <i>Requirements: PFS-First Publisher (73300-025).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$39.00 |
| <i>Requirements: PFS-First Publisher (73300-025).</i> | | | |

BRODERBUND SOFTWARE, INC.

PRINT SHOP COMPANION

ISPN 08850-126

Grades K-12: Adds new typestyles and borders to Print Shop, plus custom design and editing features.

PRINT SHOP COMPANION raises Print Shop to new heights in power and versatility. New typestyles, custom design and editing options let each youngster develop and express his own creativity. Special graphics editor options include flood fill patterns, mirror imaging, graphic inversion and flipping, mouse control and the ability to 'grab' images from other programs. The package comes with an illustrated reference manual. Provides 12 new typestyles and 50 creative borders. Offers an array of custom calendars and a 'creature maker'. Contains a special graphics editor with professional-level options. PRINT SHOP COMPANION must be used with Print Shop (ISPN 08850-125).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |
| <i>Requirements: Print Shop (ISPN 08850-125), printer.</i> | | | |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$24.95 |
| <i>Requirements: Print Shop (ISPN 08850-125), printer.</i> | | | |

BRODERBUND SOFTWARE, INC.**PRINT SHOP GRAPHICS LIBRARY DISK I****ISPN 08850-127**

Grades K-12: Expands the capabilities of PrintShop with 120 new graphics.

PRINT SHOP GRAPHICS LIBRARY DISK I brings a wealth of new design possibilities to children instructed in Print Shop - more new ideas for personalized cards, stationery, banners and more! Special designs include Zodiac symbols, sports and games, images of children and school, holidays and special occasions and animals. Introduces new decorative background patterns. The Print Shop collection is supported by many, but not all dot matrix printers. PRINT SHOP GRAPHICS LIBRARY DISK I must be used with Print Shop (ISPN 08850-125).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$24.95 |
| <i>Requirements: Print Shop (ISPN 08850-125), printer.</i> | | | |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$24.95 |
| <i>Requirements: Print Shop (ISPN 08850-125), printer.</i> | | | |

BRODERBUND SOFTWARE, INC.**PRINT SHOP GRAPHICS LIBRARY DISK II****ISPN 08850-129**

Grades K-12: Adds 120 new designs to your PrintShop. Contains graphics and symbols for jobs and work.

PRINT SHOP GRAPHICS LIBRARY DISK II completes your Print Shop graphics collection. Graphics supplied include places, health, music, holiday and special occasion symbols, hobbies, people and travel. PRINT SHOP GRAPHICS LIBRARY DISK II must be used with Print Shop (ISPN 08850-125).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$24.95 |
| <i>Requirements: Print Shop (ISPN 08850-125), printer.</i> | | | |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$24.95 |
| <i>Requirements: Print Shop (ISPN 08850-125), printer.</i> | | | |

BRODERBUND SOFTWARE, INC.**PRINT SHOP GRAPHICS LIBRARY DISK III****ISPN 08850-130**

Grades K-12: Expands The PrintShop program with 120 new ready-to-use graphics, symbols and fonts.

PRINT SHOP GRAPHICS LIBRARY DISK III includes special graphics and symbols in the following categories: International symbols, mythological and fantastical images and more holiday graphics to celebrate with. The PRINT SHOP and its graphics libraries are supported by SPECIAL dot matrix printers, definitively listed for each system/machine.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$24.95 |
| <i>Requirements: Print Shop (ISPN 08850-125), printer.</i> | | | |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$24.95 |
| <i>Requirements: Print Shop (ISPN 08850-125).</i> | | | |

BRODERBUND SOFTWARE, INC.**PRINT SHOP HOLIDAY EDITION****ISPN 08850-128**

Grades K-12: Custom PrintShop designs include 100-plus holiday graphics, fonts and borders.

PRINT SHOP HOLIDAY EDITION adds a package of bright holiday designs to the Print Shop repertoire. Graphics lets you produce cards, banners and more for many of the world's holidays. Special holidays include Cinco De Mayo, Martin Luther King Day, Mardi Gras, Grandparents' Day, Secretaries' Day, Christmas, Hannukah and Chinese New Year. Includes other special holidays. PRINT SHOP HOLIDAY EDITION must be used with Print Shop (ISPN 08850-125).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Print Shop (ISPN 08850-125).</i> | 5 1/4-inch disk | 48K | \$24.95 |
| COMMODORE 64/128 <i>Requirements: Print Shop (ISPN 08850-125).</i> | 5 1/4-inch disk | 64K | \$24.95 |

BRODERBUND SOFTWARE, INC.**PRINT SHOP IIGS****ISPN 08850-549**

Contains over 120 unique graphics that utilize color and screen resolution.

PRINT SHOP IIGS includes full panel designs. The user can create his own designs. Prints up to eight colors. Contains a Trim feature for horizontal and vertical banners. Designs from the Print Shop (ISPN 08850-125) can be used. A mouse is optional.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIGS <i>Requirements: Printer.</i> | 3 1/2-inch disk | 512K | \$59.95 |

TIMEWORKS, INC.**PUBLISH IT! ART PORTFOLIO 1-PEOPLE, PLACES & THING****ISPN 82000-602**

More than 240 ready-to-use, camera-ready graphics for Publish It!

PUBLISH IT! ART PORTFOLIO 1- PEOPLE, PLACES AND THINGS gives your Publish It! (ISPN 82000-601) a whole repertoire of designs plus many new art and layout styles. Telephones, maps and exotic travel destinations represent just a sampling of what you get. Designs in ART PORTFOLIO 1 have applications in home, office and school publishing, or for pure entertainment. Have fun creating anything from realistic line illustrations to cartoons and symbols. PUBLISH IT! ART PORTFOLIO 1-PEOPLE, PLACES AND THINGS must be used with Publish It! (ISPN 82000-601).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Publish It! (ISPN 82000-601).</i> | 3 1/2 and 5 1/4 | 128K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: Publish It! (ISPN 82000-601).</i> | 3 1/2 and 5 1/4 | 512K | \$39.95 |

TIMEWORKS, INC.

PUBLISH IT! ART PORTFOLIO 2-SYMBOLS AND SLOGANS

ISPN 82000-603

A collection of more than 450 Publish It! graphics for hundreds of commercial and business uses.

PUBLISH IT! ART PORTFOLIO 2-SYMBOLS AND SLOGANS gives you a wealth of camera-ready graphics to use in business letters and reports. Your choices include small to medium-sized bursts, panels headlines, universal symbols, 'spot' illustrations, logo ideas as well as coupon and certificate borders. PUBLISH IT! ART PORTFOLIO 2-SYMBOLS AND SLOGANS must be used with Publish It! (ISPN 82000-601). Allows you to design custom documents.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$39.95 |
| <i>Requirements: Publish It! (ISPN 82000-601).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 512K | \$39.95 |
| <i>Requirements: Publish It! (ISPN 82000-601).</i> | | | |

TIMEWORKS, INC.

PUBLISH IT! ART PORTFOLIO 3-EDUCATION GRAPHICS

ISPN 82000-604

Educational graphics applications from nursery school through the university level.

PUBLISH IT! ART PORTFOLIO 3-EDUCATION GRAPHICS arms educators at all levels with an array of graphics selections they can use every day with Publish It! (ISPN 82000-604). The program offers a broad spectrum of art and layout styles, from realistic line illustrations to cartoons and symbols (200 images and layouts in all). It also contains layouts for commonly-used charts as well as animals and weather symbols. Can be used for assignment handouts, classroom presentations and more. PUBLISH IT! ART PORTFOLIO 3-EDUCATION GRAPHICS must be used with Publish It! (ISPN 82000-604).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$39.95 |
| <i>Requirements: Publish It! (ISPN 82000-601).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 512K | \$39.95 |
| <i>Requirements: Publish It! (ISPN 82000-601).</i> | | | |

TIMEWORKS, INC.

PUBLISH IT! DESIGN IDEAS-VARIETY PACK

ISPN 82000-605

A Publish It! companion with layouts and creative ideas.

PUBLISH IT! DESIGN IDEAS-VARIETY PACK multiplies your creative potential with Publish It! The program contains document layouts for catalogues, brochures and business forms as well as invitations, restaurant menus and more. More than 85 layouts and designs are included. You can sharpen your professional image by following its creative ideas for letterheads, envelopes and business cards. PUBLISH IT! DESIGN

IDEAS- VARIETY PACK also instructs you with more than two dozen graphic strategies for designing professional, provocative advertisements. PUBLISH IT! DESIGN IDEAS-VARIETY PACK must be used with Publish It! (ISPN 82000-601).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$39.95 |
| <i>Requirements: Publish It! (ISPN 82000-601).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 640K | \$39.95 |
| <i>Requirements: Publish It! (ISPN 82000-601).</i> | | | |

ATECH SOFTWARE

PUBLISHER'S POWERPAK FOR FIRST PUBLISHER

ISPN 90363-610

Enables you to scale fonts to any point size, working inside your application. Works in conjunction with First Publisher.

PUBLISHER'S POWERPAK FOR FIRST PUBLISHER supports over 300 different printers at their highest resolution. Allows you to scale fonts from six up to 72 points. Supports 9-pin and 24-pin dot-matrix graphics printers, ink jet and laser printers. Comes with three font typefaces similar to Helvetica, Times-Roman and Courier. Each font comes in all variations of normal, italic and bold, thin condensed, expanded, wide, hollow, hollow-exp and hollow-cond.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$79.95 |
| <i>Requirements: First Publisher.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$84.95 |
| <i>Requirements: First Publisher.</i> | | | |

ATECH SOFTWARE

PUBLISHER'S POWERPAK FOR VENTURA PUBLISHER

ISPN 90363-623

Enables you to scale fonts to any point size, working from inside your application. Works in conjunction with Ventura Publisher.

PUBLISHER'S POWERPAK FOR VENTURA PUBLISHER supports over 300 different printers at their highest resolution, including the HP DeskJet, HP DeskJet Plus and the Canon BubbleJet. Allows you to scale fonts from six up to 250 point on-the-fly on the way to the printer. Supports 9-pin and 24-pin dot-matrix graphics printers, ink jet and laser printers. Comes with three font typefaces similar to Helvetica, Times-Roman and Courier. Each font comes in all variations of normal, italic and bold, thin condensed, expanded, wide, hollow, hollow-exp and hollow-cond, providing over 20,000 different font combinations.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$199.95 |
| <i>Requirements: Ventura Publisher (ISPN 87075-101).</i> | | | |

139 PRODUCTIVITY/INTEGRATED PRODUCTIVITY

SYMMETRY CORP.

ACTA ADVANTAGE (VER. 1.01)

ISPN 77437-120

An outline, organizer and planner in a stand-alone and desk accessory. Saves in various text formats.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$129.00 |
| <i>Requirements: 800K disk drive.</i> | | | |

CLARIS CORP.

APPLEWORKS

ISPN 12784-100

Integrates word processing, spreadsheet and database functions.

The database helps you organize information you would ordinarily keep in lists or on index cards - information like names and addresses, expense items, household and business inventories, checkbook records, travel itineraries and names of business contacts. The word processor helps you create documents - memos, letters, reports, proposals and articles. It lets you create, edit and print any of these documents, formatted to your specifications. The spreadsheet helps you work with numeric information you ordinarily keep in rows and columns - financial statements and models, forecasts and budgets. Includes MailMerge and large maximum file sizes.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------------------|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$249.00 |
| APPLE IIGS | 3 1/2-inch disk | 256K | \$299.00 |

DENEBA SOFTWARE

COMMENT (VER. 2.0)

ISPN 24765-050

Can be used to keep appointments, post reminders, create telephone directories, and replace note pad and scrapbook.

Keeps track of up to 520 appointments and reminders (per note file) automatically every time the Macintosh is turned on. 'TimeNotes' can be set to repeat at specified intervals, give advance warnings, and can be postponed with total flexibility. 'Posted Notes' are the electronic equivalent of 3M's Post-It notes on the Macintosh. Allows the user to 'stick' these electronic notes to cells in a spreadsheet, text in a word processor or desktop publishing program, windows and documents. A visible mark can be placed next to all cells or phrases that have notes attached, so that all visible notes can be viewed. From the Note Manager, the user can review and edit all time notes or posted notes, import and export notes or data to and from databases and word processors, use the built-in 'Find' command to locate information, and print all or some notes in a variety of formats. All notes can contain either graphics or text. Text windows work like a mini-word processor with full control of margins, fonts, sizes and styles. Each note can

contains up to 32K of text. Compatible with ImageWriter, LaserWriter, AppleShare, AppleTalk, PhoneNet, LAN, TOPS, and InterMail.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.95 |
| <i>Requirements: 800K disk drive.</i> | | | |

QUARTERDECK OFFICE SYSTEMS

DESQVIEW (VER. 2.2)

ISPN 64292-100

A multi-tasking operating environment that allows true concurrency of multiple programs running simultaneously.

DESQVIEW is a multi-window integrator program for IBM personal computers and compatibles including the PS/2 series. Provides a consistent and uniform presence from desktop to desktop. It transfers data, dials your phone, provides menus for DOS, remembers a keystroke and more. The system allows 'pop-up' of many programs, including graphics software, and can run programs in the background. It has the capability of running your current programs and allows you to switch between them without program shutdown. DESQVIEW modules include datebook, calculator, notepad, link and the Quarterdeck Expanded Memory Manager 386. These modules (with the exception of Expanded memory Manager) must be used in conjunction with DESQVIEW and do not run 'stand alone'. The system supports mouse, hard disk and expanded memory. Technical assistance is available at (213)392-9701.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$129.95 |
| <i>Requirements: EEMS Enhanced Expanded memory card.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$129.95 |
| <i>Requirements: EEMS Enhanced Expanded memory card.</i> | | | |

QUARTERDECK OFFICE SYSTEMS

DESQVIEW-386 (VER. 2.0)

ISPN 64292-201

Gives DOS the capabilities of OS/2 and more by combining DESQVIEW and QEMM-386.

DESQVIEW-386 gives you the multitasking, presentation management and data transfer capabilities built into DESQ (ISPN 64292-100) and taps into the 80386's powerful features-its virtual 8086 machine architecture and 32-bit protected mode. By controlling these 80386 features, DESQVIEW 386 gives you program protection plus the ability to run multiple larger memory-intensive (15MB in size) 80386-specific programs side by side with your favorite DOS programs. Permits running any text or graphics (CGA, EGA, VGA or Hercules) programs in small windows and in background. Supports mouse and hard disk. Technical support available at (213)392-9701.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 1024K | \$189.50 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 1024K | \$189.50 |

ELECTRONIC ARTS**DISK TOOLS PLUS****ISPN 28512-004**

A full-featured 'finder' type utility which allows complete file management within any application and is MultiFinder compatible.

DISK TOOLS PLUS contains seven desk accessories applications. Disktools II Can copy, move, delete, rename or 'get info' on files or folders, without returning to desktop. Find buried files, search by date created, name, or creator application. Can get aggregate file or folder sizes, create new folders anytime, and switch from application to application without returning to desktop. Has a Calendar that keeps track of appointments and dates or write pages of notes for every day of the century. Smart find function allows search for entry by key word or phrase. A 250 page Phone Pad dials phone numbers automatically and faster than by hand. Gives instant access to thousands of memos, phone numbers, notes and reminders--each accessible with the click of a mouse. There are two calculators, a scientific and an RPN calculator that can be used to perform calculations anytime. File Printer Accessory prints text files in the background without leaving the application. A Windows Selector keeps multiple windows open at the same time and switches from one to another. A hard disk is recommended.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

CE SOFTWARE**DISKTOP (VER. 4.0)****ISPN 11725-100**

Consists of DiskTop and Laser Status, two desk accessory programs, and Widget, an application program.

DISKTOP is a desk accessory which allows the user to find, list, delete, rename, copy, move, size, launch, shut down, or set attributes of files on any disk without leaving the current application. 'Find' provides multiple search criteria on all mounted disks. Upon finding the document, 'Go To' the location or 'Open' the application selected. Double clicking will launch a document or program from within DiskTop. 'Delete, copy, rename, and move' will work with one or more files or folders. 'Sizes' calculates the size of all selected files. The menu allows for system shutdown, creating new folders, viewing and editing file information, and setting preferences. The menu provides up to 20 frequently-used documents or programs for quick access. LaserStatus is a desk accessory which monitors the use of the LaserWriter, reset, download fonts, and PostScript files. Provides information on memory utilization and fonts resident within the LaserWriter. Widgets is a potpourri of utilities including the ability to create custom DiskTop Menus, special paper sizer for the ImageWriter, and custom start-up screens. Converts PICT files to paint files, and sends PostScript programs to the LaserWriter. Prints thumbnail catalogs of paint files on the LaserWriter. Includes most of the LaserStatus functions plus enabling and disabling the start-up page for the LaserWriter. DiskTop uses 86K of disk space, LaserStatus uses 19K of disk space, and Widgets uses 53K of disk space.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

Requirements: Hard disk, ImageWriter, ImageWriter II or LaserWriter printer.

ENABLE SOFTWARE, INC.**ENABLE/OA****ISPN 73000-200**

Contains business productivity tools with word processing, 2D or 3D graphics, spreadsheets, database management and telecommunications.

ENABLE O/A allows you to create a graph from the spreadsheet or the database then insert the graph and the spreadsheet between text in a single word processing document right on the screen. When using the DBMS with word processing you can automatically include selected DBMS fields or embed calculated fields within the text of a letter or report. Features standard word processing and spreadsheet functions. The database management system uses menu-driven field definition with an external data dictionary, paint the screen input and forms design, full screen data entry with automatic field editing and validation, 65,000 records per data base, search and retrieval using Boolean logic, arithmetic, relational operators and wild cards and report generator with up to 16 break conditions. Includes presentation-quality graph, sizing, shaping and positioning of graphs using windowing, writing labels right on the graph and seven graph types with eight fonts. Telecommunication enables you to gain access to on-line services, mainframes and other personal computers. LAN Features include: Streamlined installation and setup; file encryption with password protection for data security; individual preferences and uses can be customized for each user through user profiles and telecommunications setups; full 64-character subdirectory support; allows users to network all files created with software not supporting a network; and record protection automatically identifies data collisions and manages the locking. Provides complete locking of word processing and spreadsheet files. Records are not locked during Edit: At Save, ENABLE checks to see if the record is current. If updated during an editing session, data is recopied from disk for re-edit and save. Implicit record locking available in add, copy, merge and archive functions. Permits simultaneous use of these functions while protecting active records. Individual select sets are automatically created for each user, allowing full use even in shared data directories. Allows optimized screen updating during multi-user operation. Workstation screens display changes made at other stations on the same file when the screen is refreshed.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$695.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$695.00 |

MEDIAGENIC/TENPOINTO**FOCAL POINT II****ISPN 48702-200**

An intelligent personal information manager that organizes schedules, tasks and communications for the busy professional.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$199.95 |

Requirements: Hypercard (ISPN 03900-300).

ASHTON-TATE

FRAMEWORK III LAN (VER. 1.0)

ISPN 05500-175

Integrates the functions of word processing, databases, spreadsheets, graphs, outlines and communications.

FRAMEWORK III LAN is a complete office productivity system containing a word processor, spreadsheet, database, business graphics, outlining, telecommunications and electronic mail in a unique 'desktop' working environment. All functions can be simultaneously accessed from one easy-to-learn set of pull-down menus. Using multiple windows, users can work with as many different kinds of information as they need at one time, providing greater productivity for the entire workgroup. The built-in intra-Lan electronic mail system can be expanded to allow wide-area network (LAN-to-Lan and LAN-to-remote-PC) mail delivery over phone lines. For wide-area networking, Framework III LAN interacts with MHS (Message Handling Service), bundled with NetWare 2.1 and above. All mail options are built into the pull-down menu system, so there is no need to quit the program to send or receive mail. Gateways such as the Soft-Switch MAILbridge Server/MHS allow communication with IBM PROFS, DEC VMSmail and other mail systems. Framework III LAN is ideal for group projects such as reports, proposals and financial consolidations. Footnoting can be used as a group document commenting system. Spreadsheets with formulas or formatted documents can easily be mailed around the network. Framework III LAN supports five simultaneous users per copy. Users may be added in groups of five or one at a time with the single-user version of FRAMEWORK III. Supports mouse; math co-processor; modem; memory boards supporting LIM, EMS or AST EEMS; MDA, CGA, MCGA, EGA, VGA and Hercules graphics cards. Technical support available at (213)329-0086. NetWare Aware features: NetWare Message Handling Service (MHS) functions.

SYSTEM**MEDIUM****MEMORY****PRICE**

| | | | |
|--|-----------------|------|----------|
| IBM/MICROSOFT PC/MS-DOS 3.1 ONLY | 5 1/4-inch disk | 640K | \$695.00 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |
| IBM PC LAN 1.2 | 5 1/4-inch disk | 640K | \$995.00 |
| <i>Requirements: Supports 5 users.</i> | | | |
| NOVELL NETWARE 286 2.1 | 5 1/4-inch disk | 640K | \$995.00 |
| <i>Requirements: Supports 5 users. DOS 3.1.</i> | | | |
| 3COM 3+ | 5 1/4-inch disk | 640K | \$995.00 |
| <i>Requirements: Supports 5 users.</i> | | | |

ASHTON-TATE

FULL IMPACT

ISPN 05500-205

Combines spreadsheet sophistication with the presentation quality of desktop publishing.

SYSTEM**MEDIUM****MEMORY****PRICE**

| | | | |
|---|-----------------|-------|----------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$395.00 |
| <i>Requirements: Two 800K disk drives or one 800K disk drive and a hard disk.</i> | | | |

ASHTON-TATE

FULLWRITE PROFESSIONAL

ISPN 05500-200

Combines word processing features, desktop publishing capabilities and a built-in MacDraw style environment.

FULLWRITE PROFESSIONAL word processing features include footnotes, endnotes, tables of contents, index generation, spell checking, auto hyphenation, outlining, style sheets, multiple documents and folding. Also included is a find and change command that can search on any text attributes, in any specified portion of a document. Integrated with these word processing capabilities are several advanced desktop publishing features such as automatic textwrapping around irregularly shaped objects, guttering, kerning, flexible leading, and multiple column styles on a page. Supports EPSF(encapsulated PostScript) format. Comes with a thesaurus, a 100,000 word spelling checker and supports Bezier curves and other graphics. Fully compatible and functional with Apple's Multifinder. Program is not copy protected.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$395.00 |

SYMMETRY CORP.

HYPERDA (VER. 1.2)

ISPN 77437-500

A desk accessory that allows user to open and browse a HyperCard stack without having to use the HyperCard program.

Users can open and browse, copy text and graphics to the clipboard, print cards and search a HyperCard (ISPN 03900-300) stack without leaving the current application. Has a window mode allowing a stack to appear in a scrollable, adjustable window. Supports phone dialing. Allows viewing of stackware on systems with less than a megabyte of RAM memory. Users cannot design, script or edit the stacks that are browsed. Users can write and modify existing text fields. Users can default to a specific stack when opening HyperDA.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$89.00 |

Requirements: 800K disk drive.

BRIGHTBILL-ROBERTS & CO. LTD.

HYPERPAD

ISPN 08462-050

Create or customize applications, pages, buttons and pads with the built-in application pads.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 384K | \$99.95 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 384K | \$99.95 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |

SYNERGY SOFTWARE**KALEIDAGRAPH (VER. 1.1)****ISPN 60539-500**

Provides data analysis using graphing tools, statistical functions, and user defined macros.

Designed for data presentation and analysis. Has 11 plot types, line graphs, scatter plot, histograms, box plot, probability plot, pie chart, double y plot, polar plot, column plot, stacked column plot and template plot. Allows plotting of up to ten dependent variables at one time. Has selectable markers, patterns, and colors. Provides user selectable axis limits and tic marks and customized labels and legends. Allows highlighting of data points or labels with arrows, lines and boxes, and identification of points. Has user selectable error bars and provides linear/normal probability distribution plots. Plots can be saved as KALEIDAGRAPH, PICT or MacPaint documents. Data entry allows up to five open data windows, with numeric and text data entry, cut and paste data selections, and choice of entering data from keyboard, numeric keypad, text file or from the clipboard. Provides a Reverse Polish Notation (RPN) calculator with 1000 program step capability and standard scientific calculator functions. Has an eight level automatic stack and 100 memory registers. Allows storage of 20 programs in a pull-down menu. Compatible with ImageWriter II, and LaserWriter printers. Supports color output with the ImageWriter II printer.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$179.00

LOTUS DEVELOPMENT CORP.**LOTUS 1-2-3 (VER. 2.01)****ISPN 45525-050**

Business productivity software integrating spreadsheet, graphics and database.

LOTUS 1-2-3 has a workspace of 8,192 rows by 256 columns. It has the ability to develop customized applications and allows the user to perform repetitive tasks with one key stroke. One key stroke also turns spreadsheet information into graphs. Information management capabilities enable the user to accumulate a variety of data for spreadsheet analysis. Totally integrated, the three functions work in one program, optimizing personal computer use. A self-contained tutorial on a diskette guides the user through LOTUS 1-2-3. Hidden cells allows user to make selected cells 'invisible' on the worksheet for the purpose of hiding confidential information or creating a neater appearance. User can make calculations concerning loans, depreciation, annuities and cash flow analyses that occur over a term or period of time. Linear and Multiple Regression Analysis can be performed to establish the relationship between one column of data and one or more other columns. The results of regression can then be used to build formulas to predict future values based on past experience. Can read Symphony, release 1.0, release 1.1 files directly. A training program is available from (ISPN 03156-870).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

3 1/2-inch disk

MEMORY

256K

256K

PRICE

\$495.00

\$495.00

LOTUS DEVELOPMENT CORP.

LOTUS 1-2-3 SMALL BUSINESS KIT

ISPN 45525-184

Assists small business owners with decision-making tools to improve daily operations with a series of business applications.

LOTUS 1-2-3 SMALL BUSINESS KIT contains Lotus 1-2-3 (ISPN 45525-050), customized Lotus Support Services, a Small Business Directory and a series of Lotus-developed business applications. The applications are financial analysis and planning tools used in conjunction with information recorded on the company income statement and balance sheet. Contains six management tools including Cash Flow, Source and Use of Cash, Financial Ratios, Cash Budget, Pro Forma Financial Statements, and Cost-Volume-Profit. The Small Business Directory provides information about small business administration services, and lists SBA regional and local centers. Includes a reference that answers over 100 questions about 1-2-3. Includes unlimited telephone support direct from Lotus.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 256K | \$595.00 |
| <i>Requirements: Two disk drives.</i> | | | |

LOTUS DEVELOPMENT CORP.

LOTUS METRO (VER. 1.1)

ISPN 45525-210

Provides user with a memory-resident desktop manager combining thirteen accessories and a powerful macros program.

Runs behind main application programs which help use the PC to speed up daily routines. Includes 13 METRO accessories 1) Editor contains basic word processing capabilities in a familiar Lotus interface. Creates and edits memos and spreadsheet reports without leaving 1-2-3 or Symphony. 2) Appointment Book features daily, weekly, and calendar views, alternate appointment books, and several customizing options. 3) Phone Book provides auto-dial with Hayes modem. Includes wildcard searching, mark and gather capability, six definable phone card labels, and alternate lists. 4) Calculator provides a full business calculator with memory, constants, and financial functions. 5) List Manager contains a multi-functional outlining tool. 6) Macros comes with Learn mode and a text edit window that allows user to fine-tune recorded macros. Control functions include pause, character in, line in, verbatim keystrokes. 7) DOS File Manager provides viewing and file maintenance capabilities. User can format disks without leaving 1-2-3. Creates a second Filer to perform file operations between subdirectories. 8) Clipboard allows user to cut and paste data between Metro, 1-2-3, Symphony, and other programs. 9) Special Characters contains full 256-character IBM-extended ASCII table with decimal, character, hexadecimal, octal, and mnemonic representations. 10) Watch contains 100 timers to keep track of anything that requires careful documentation of the time you've spent doing it. Includes stopwatch, settable alarm, system date/time. 11) Configuration uses Metro's menu to define your own product, reassign accessory keys, and run accessories from the menu itself. 12) Kaleidoscope has set colors for each accessory. 13) Notepad lets you jot down quick ideas and memory-joggers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 80K | \$85.00 |
| <i>Requirements: Hard disk.</i> | | | |

RICHMOND SOFTWARE, INC.

MAXIMIZER (VER. 1.6)

ISPN 61238-100

Automates the requirements of sales professionals, managers and executives who deal with a number of clients or contacts daily.

MAXIMIZER provides a client file which stores name, address and telephone information, detailed criteria such as occupation, status, special interests such as hobbies and anniversaries and key dates. A Day-At-A-Glance system allows users to quickly assess daily activities including appointments, meetings and luncheon dates. Features a built-in tickler file. Allows user to maintain a file of standard letters that can be sent to pre-selected clients or specific type clients, such as metallurgists and chemists. Organizes phone calls, appointments, mailouts and follow-up for an unlimited number of contacts. Provides fully integrated letter writing, notes, calendar facilities, activity schedules, expense accounts, calculation options, telephone listings and dial-up. Import/export facilities are provided for exchanging information between THE MAXIMIZER and other application programs. Supports EGA. For technical support call (604)299-0947. Available in single user and multi-user versions.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2 and 5 1/4 | 640K | \$195.00 |
| BANYAN VINES | 3 1/2 and 5 1/4 | 640K | \$495.00 |
| IBM PC LAN 1.0 | 3 1/2 and 5 1/4 | 640K | \$495.00 |
| NOVELL NETWARE 286 2.0A+ | 3 1/2 and 5 1/4 | 640K | \$495.00 |
| <i>Requirements: DOS 2.1+.</i> | | | |
| 3COM 3+ | 3 1/2 and 5 1/4 | 640K | \$495.00 |

MICROSOFT CORP.

MICROSOFT WINDOWS/286 (VER. 2.1)

ISPN 53150-735

Integrates programs, facilitating movement between applications and provides a common windowing interface.

Provides a highly visual way to work and to organize your work. Applications have a common interface which includes drop-down menus, dialog boxes, and icons. Allows user to mix pictures, text, typefaces, and styles. Includes a calendar, card file, notepad, clock, calculator, and a telecommunication program. Includes Microsoft Windows Write (graphics-based word processor), Microsoft Windows Paint (full-featured drawing program), Program Information File (PIF) Editor (creates and edits PIF files for standard applications), MS-DOS Executive (DOS file management program), SMARTDRIVE (disk caching program) and a print spooler. Supports Lotus-Intel-Microsoft (LIM) expanded memory.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$99.00 |
| <i>Requirements: Two disk drives, CGA, EGA, VGA or Hercules Graphics Adapter.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 512K | \$99.00 |
| <i>Requirements: Two disk drives, CGA, EGA, VGA or Hercules Graphics Adapter.</i> | | | |

MICROSOFT CORP.

MICROSOFT WINDOWS/386 (VER. 2.1)

ISPN 53150-736

Provides a multi-tasking, graphics-based windowing environment for PC/MS-DOS application programs.

Provides a highly visual way to work and to organize work. Applications have a common interface which includes drop-down menus, dialog boxes, and icons. Allows user to mix pictures, text, typefaces, and styles. Includes a calendar, card file, notepad, clock, calculator, and a telecommunication program. Includes Microsoft Windows Write (graphics-based word processor), Microsoft Windows Paint (full-featured drawing program), Program Information File (PIF) Editor (creates and edits PIF files for standard applications), MS-DOS Executive (DOS file management program), SMARTDRIVE (disk caching program) and a print spooler. Supports Lotus-Intel-Microsoft (LIM) expanded memory. Allows multiple DOS applications to run in their own 640K '8086' environment and run in the background regardless of what else is executing. Provides three execution modes: exclusive, foreground, or background, and user can toggle between each mode at will. Mouse and 2MB of memory are recommended. Supports INTEL 80287 and 80387 coprocessors.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2 and 5 1/4 | 1024K | \$195.00 |
| <i>Requirements: 386 based system, hard disk.</i> | | | |

MICROSOFT CORP.

MICROSOFT WORKS (VER. 2.0)

ISPN 53150-740

An integrated business productivity tool containing a spreadsheet with graphics, word processor, database and communications.

-helps write, organize information, analyze numbers, chart results and communicate with other computers. Word processing feature has a spelling checker with ability to insert graphics into a word processing document and type text around, or on the graphic and to draw lines, circles and boxes on or around text or graphics. Has full font support and mailmerge capabilities between word processor and database. Also has automatic background pagination for entering and editing data. The database has a feature that will list and form modes for viewing data and create up to 60 computed fields in a form. -has the flexibility to modify forms and uses boolean logic in search criteria to find matching documents. Uses split screens for viewing different parts of a document and can generate up to eight reports for each database. The spreadsheet with charting, features background calculation for data analysis, 256 columns by 16382 rows providing room for growth, and 64 predefined functions. Permits user to bold and underline individual cell formatting. Provides direct links between spreadsheets and charts and produces up to eight charts for each spreadsheet. The communications feature permits background sending and receiving of files and MacBinary support for sending or receiving formatted files. Stores up to eight phone numbers with each communication document. Features VT100 and VT52 emulation. Designed to run with all versions of the Apple Switcher program and supports AppleShare (ISPN 3900-100). Has a complete drawing tool, record macros and print preview features.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| BM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 348K | \$195.00 |
| BM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 348K | \$195.00 |

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$295.00

*Requirements: ImageWriter or LaserWriter printer.***CE SOFTWARE****MOCKPACKAGE PLUS (VER. 4.4)****ISPN 11725-250**

A professional desk accessories set which includes MockTerminal, MockWrite, MockPrint, MockChart and EZ-Menu.

MockTerminal is a complete terminal package in a desk accessory. Provides features such as a seven-number phone book, automatic re-dialing of busy numbers, 300/1200/2400 baud operation, sending and recording ASCII, and 'XModem/MacBinary' file transfer. MockWrite is a small text editor with a 28K file limit. Allows user to read and write text files, make changes, perform searches, and print. The size of the editing window can be adjusted at will, and the scroll bar can be used to page through the text. MockPrinter is a desk accessory that prints text files in the background. Capable of printing a file of any length. MockChart is a desk accessory which converts tables into line, bar, pie or Hi-Lo charts. Uses clipboard to copy whole tables or graphs between programs. EZ-Menu provides an alternative to the conventional Macintosh interface by offering a phantom finger for drop down menus. The program uses 53K of disk space.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

128K

PRICE

\$49.95

*Requirements: ImageWriter, ImageWriter II or LaserWriter printer.***SOFTWARE PRODUCTS INT'L.****OPEN ACCESS II PLUS****ISPN 73275-500**

Combines a relational database with SQL capabilities, spreadsheet with 3-D graphics, statistics & word processor with spell checker.

Database features include a relational database management system with unlimited file, screen and reporting formats. Eight files can be accessed and joined at the same time. Includes complete file updates, calculations, input verification and comparisons. Self-checking reduces data entry errors. Password protection is provided on two levels. A built-in programming language called Programmer features menu keys which enable the user to format and allows less structured formatting for easy-to-maintain programs. Pop-up windows with panes are included and the programming language takes full advantage of all database features. Spreadsheet features include the built-in goal seeking ability. The cross-table analyzer sorts and calculates information in a table format. Modeling capabilities are built-in including submodel consolidation. Virtual memory is included for expanded file sizes. Mail-merge and calc-merge can be used for form letters. Graphics features include a palette of 16 colors with an enhanced graphics adapter. Supports all printer types including laser technology. The user is able to perform on-screen graphics editing including rotation. Includes 3-D and scatter plots. Other graphics features include financial high and low close, stacked line and bar graphs and overlays. The word processor features a split-screen which allows the user to view two files at once and merges multiple files at output. Copy can be accepted from external files. Word wrap, justification, type-style selection and other printer options are available. The programming 'text' mode produces DOS compatible files for input to compilers and assemblers. Communications features include the ability to

emulate 'dumb' and VT100-type terminals. Files can be transferred from other environments with XMODEM and KERMIT protocols. Restructures text data and remote access allows the user to create a bulletin board with security. Desk Accessory features include the ability to customize formatting of an appointment calendar. Clock features include an alarm with message, a stop watch and date and time zone differentials. Also includes rotary address files, a note pad and telephone dialing. The full-function scientific and statistical calculator includes ten registers. The value converter simplifies currency and measurement conversions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$695.00 |

FARALLON COMPUTING, INC.

PHONENET CHECKNET (VER. 1.11)

ISPN 91809-610

A desk accessory used to search an AppleTalk local area network for AppleTalk devices, displaying information on that device.

PHONET CHECKNET displays name, address and type of every device on the network (not just the shared ones). Allows users to search for particular devices on the network. Displays the name, type, zone, node and socket number of AppleTalk network devices. The package includes Register Name INIT and SWStatus, and a multi-user license for up to ten workstations. Additional licenses are available through Farrallon. PHONET CHECKNET is Multifinder compatible.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: AppleTalk network.</i> | 3 1/2-inch disk | 512K | \$95.00 |

POP COMPUTER PRODUCTS, INC.

POPBASICS: VALUEPAK

ISPN 61558-630

Includes five PopBasic programs that increase the productivity of your IBM PC or compatible.

POPBASICS: VALUEPAK includes these PopBasic programs: Menu! (ISPN 61558-620), Labels! (ISPN 61558-615), Recall! (ISPN 61558-625), Calculator! and Utilities! Menu! allows you to organize and run your programs with one keystroke. On-screen help is available to explain every operation. Just follow the simple instructions to create your own display of program titles. You will be up and running in about ten minutes. You can list your favorite programs on the main menu and set up submenus for other programs and DOS commands. Whenever you start your computer, Menu! will appear and run your software with the press of a single key. Labels! stores addresses and many other types of records. Prints envelopes and different size labels. You can even do envelopes on LaserJet printers. Recall! pops up to check your calendar and your list of things to do. Whenever you schedule a calendar of events, Recall! prompts you to do them. If you have a repeat obligation, like certain payments or a series of business breakfasts, Recall! can schedule these in seconds. Calculator! is a simple pop-up calculator program that adds, subtracts, multiplies and divides. Works on any hotkey combination you define. Utilities! contains nine beneficial programs for file operations, 13 for use in batch files and two programs for keyboard enhancement. Also has 13 helpful programs for screen control and eight miscellaneous programs. For printer control, you will find eight programs for general operation, 26 specifically designed for Epson printers and 36 for

LaserJets. Context-sensitive, on-line help is always available. Each program has its own requirements. Not every program is compatible with every type of machine. Read the manual before using. Supports Epson and LaserJet printers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 256K | \$49.95 |

FIFTH GENERATION SYSTEMS, INC.

POWERSTATION (VER. 2.5)

ISPN 30787-400

Arranges software tools on up to 16 'pages' for immediate access to any of hundreds of applications or documents.

Gives a new level of organization for applications and documents that are independent of how they are arranged on disk. Uses the mouse or keyboard to select and open applications, documents, or desk accessories. Allows user to open or print multiple documents of an application even if they are not in the same folder or on the same disk. Compatible with any screen size, and HFS or MFS disk format. Includes Pyro!, a separate software utility that gives a 'screen saver' for all applications. Put Pyro! in the system folder and it installs automatically when the Macintosh is turned on. Whenever the system has been idle for a predetermined period, Pyro! darkens the screen and displays a fireworks show in color if using a Macintosh II. One can choose whether background tasks, such as print spoolers and reminder alarms, are to be enabled or postponed during screen-saver operation.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$59.95 |

SYMANTEC

Q&A (VER. 3.0)

ISPN 77413-695

An integrated file manager and word processor that understands English commands.

Q&A offers full multi-user network support, including record locking of databases and password protection. A lookup command allows the user to pull information from multiple Q&A databases and allows the creation of multi-file reports. The Intelligent Assistant has a built-in vocabulary of over 400 words and arithmetic symbols, so when a database is built, it learns the database form as well as the information in it. The Assistant understands complex and compound sentences, grasps follow-up questions and makes simple inferences. Q&A includes a complete wordprocessor with font and laser printer support, easy mail merge, automatic mailing labels, a 100,000 word spelling checker and macros. Has context-sensitive help screens and a menu system with on-screen prompts. Envelopes print automatically. Font, PostScript and laser printer support enables the user to produce presentation-quality letters, reports and memos. Q&A is tightly integrated with Lotus 1-2-3 (ISPN 45525-050) and directly imports and exports dBASE (ISPN 05500-160) files. The OS/2 protected mode version of Q&A offers the benefits of multitasking and document size greater than 500 pages. Q&A supports Intel's Connection CoProcessor and laser printers. Available in single user and multi-user versions. For technical support call (408)252-5700.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT OS/2 1.0+ | 5 1/4-inch disk | 512K | \$349.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 5 1/4-inch disk | 640K | \$349.00 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 640K | \$349.00 |
| NOVELL NETWARE 286 2.0A+ | 5 1/4-inch disk | 512K | \$349.00 |
| <i>Requirements: DOS 2.0+ or OS/2 operating system.</i> | | | |
| BANYAN VINES | 5 1/4-inch disk | 512K | \$349.00 |
| IBM PC LAN 1.0 | 5 1/4-inch disk | 512K | \$349.00 |
| 3COM 3+ | 5 1/4-inch disk | 512K | \$349.00 |

PARAGON CONCEPTS, INC.**QUED/M MACRO EDITOR****ISPN 59740-574**

A macro editor with features which also make it a text database, appointment book and recipe book.

It has about 70 built-in menu items. Many more custom items can be added. Features include: Copy files and folder lists to create a catalog, show, print and use any of ten editable clipboards, allow meta character search and replace, undo any number of steps, set or change any key equivalents, hidden text for outlining, find facts in text files and lists files found, change tabs to spaces and spaces to tabs, break lines for electronic mail, sort lines and compare files. Shipped with 50 macros. The user can add any number of additional custom macros. Manual included.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$119.00 |

ASHTON-TATE**RAPIDFILE (VER. 1.0)****ISPN 05500-575**

An easy-to-use file management and report and form letter generator.

RAPIDFILE is a single-disk program which is simple to learn, since it offers both Framework style pull-down menus and Lotus 1-2-3 style horizontal menus. You can view data in Table Layout (like a phone book) or in Form Layout (like a Rolodex), or split the screen and see both simultaneously. Create form letters on screen using Form Letter by Example (F.B.E.) word processing functions. Provides accounting and math functions, data file import and a variety of mailing label styles.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$420.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$420.00 |

SUPERSELL SOFTWARE, INC.**SALES GENERATOR PLUS****ISPN 77137-700**

Provides automation for sales and service offices with customer/client profiles, time management, and mailing lists.

Sales strategies can be defined by department head and follow the critical path of closing a sale with user-defined reporting. Gives a sales performance report daily,

weekly, monthly or by other time period by region, location, salesman, product or product group. Provides, on demand, a customer-by customer communication history, and gives automatic sales/telephone follow-up management. Includes an optional intelligent record updating feature. Provides correspondence follow up management, direct mail management, and automatic mailing including conditional mail merging and nesting of data items, sentences and paragraphs, label and envelope printing, and definable target market profiles, as well as a response profile with 20 definable fields. Provides up to 14 selection criteria and database ranges. Also includes appointment lists and management, automated telephone follow up lists, and full follow up lists with name and addresses. Menu-driven, with import/export interfaces. Works with any standard ASCII word processor to produce letter bodies and text for mailers. Printer, mouse, and modem are optional.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X
IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

5 1/4-inch disk
3 1/2-inch disk

MEMORY

384K
384K

PRICE

\$345.00
\$345.00

SAMNA CORP.**SAMNA PLUS-IV (VER. 2.02)****ISPN 67737-500**

Integrates the features of Samna Word IV with spreadsheet capabilities and 'Wordbase Manager'.

Includes all applications of Word III. Other advanced features let you: Type and calculate a spreadsheet in the middle of a document, mark a cell in the middle of text that will be linked to your spreadsheet and updated as numbers in the spreadsheet change. You can move dynamically between the worksheet and the print version of the worksheet as you go into and out of the spreadsheet. This means you will immediately see how your document will look when printed. Bold underline, double underline or capitalize words or numbers in your spreadsheet. Use your cursor to print to cells, ranges, etc. and specify the coordinates. Split your screen vertically or horizontally to compare columns or row. Move or copy cells, ranges, columns, or rows. Type several spreadsheets in one document and link them together. Type up to 250 words or descriptions and have them automatically wrap into a range of linked cells.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$695.00

BORLAND INT'L.**SIDEKICK****ISPN 08225-701**

A desktop organizer with five integrated modules - notepad, calculator, phonebook, calendar/scheduler and ASCII table.

With SIDEKICK, you can instantly jot down thoughts or messages, make quick calculations, plan and schedule appointments, check calendar days and dates, find phone numbers, dial calls automatically and look up ASCII codes. With SIDEKICK, you can open interactive windows over your current application and use any of SIDEKICK's tools. The notepad lets you jot down thoughts and edit files up to 25 pages long. Take notes, edit text or cut a block of text from the screen. You can also export text from the notepad to your other applications to integrate software use. A full-function calculator performs decimal to hexadecimal to binary conversions. You can export your results to application programs. SIDEKICK's phonebook lets you store frequently used numbers in

a telephone directory, similar to the rolodex you would keep on your desk. With a modem, SIDEKICK can autodial the number for you. SIDEKICK can also locate phone numbers from the notepad or another application on the screen. You can bring up to autodialer over your paradox customer file and with one keystroke, dial a client's number. A perpetual calendar/appointment scheduler lets you quickly plan out your entire monthly schedule or arrange your regular daily meeting. The appointment scheduler easily records dates, times and places for meetings. You can check your previous appointments to help manage your time or justify expenses. The ASCII table lets you view the full IBM PC character set's decimal or hexadecimal notation with the corresponding mnemonics. You can check or set appropriate printer control codes when using Quattro (ISPN 08225-300). Graphic characters can be embedded in the notepad so you can create your own display windows. SIDEKICK is specifically designed to complement SuperKey (ISPN 08225-092). With SuperKey working as SIDEKICK's command center, you can automate SIDEKICK's advanced desktop features.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Modem.</i> | 5 1/4-inch disk | 128K | \$84.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Modem.</i> | 3 1/2-inch disk | 128K | \$84.95 |

BORLAND INT'L.

SIDEKICK PLUS (VER. 1.01)

ISPN 08225-085

A memory-resident, desktop management package that includes a notepad, outliner, time planner, calculator and file manager.

SIDEKICK PLUS provides the most advanced set of desktop management tools available with the touch of a key. Anyone who has used the original Sidekick will appreciate the added features of SIDEKICK PLUS. You can fully customize SIDEKICK PLUS from RAM memory required (as little as 75K). Features include: File Manager - enhanced DOS directory and file management. Notepad- allows you to edit up to nine concurrently, each containing up to 54,000 characters. Outlook - the outline processor, is an ideal tool for organizing thoughts. Time Planner-keeps track of appointments and scheduling and allows users to access a common appointment file on networks. Phonebook - complete data and voice communications that you can set to take place in the background, with autodialing, an encrypted glossary and full script language. Even if you don't have a modem, Phonebook keeps names, addresses and phone numbers at your fingertips. Calculator - includes business, scientific, programmer and formula. ASCII Table- finds and pastes characters quickly and easily. Clipboard - copy and paste integration between files and even with other applications programs. Requires a hard disk. Technical support available at (408)438-5300.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Modem (for autodial function).</i> | 3 1/2 and 5 1/4 | 384K | \$199.95 |

BORLAND INT'L.

SIDEKICK-THE MACINTOSH OFFICE MANAGER (VER-2.0)

ISPN 08225-087

Contains an Organizer integrated with ten desk accessories, word processing, and XModem file transfer communications protocol.

Operates concurrently in the 'background' with other Macintosh programs. Includes personal information files with flexible reporting and print-out capabilities, and a Hayes-compatible communications program that operates at 300/1200/2400 baud for good office productivity. Programs include: Calendar Book, Week-at-a-Peek, Notepad, ReadIPrinter, MacTerm, and MacDialer. Includes Outlook, an outline processor, MacPlan, a spreadsheet desk accessory, and XModem communications protocol support. Two disk drives are recommended. Supports Imagewriter and LaserWriter printers. Uses any modem when manually dialing, and a Hayes compatible modem when using autodial features.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: Modem.</i> | 3 1/2-inch disk | 512K | \$99.95 |

FIFTH GENERATION SYSTEMS, INC.

SUITCASE II (VER. 1.25)

ISPN 30787-300

Makes desk accessories and fonts always available without having to install them in your system file.

Desk accessories and fonts are stored in Font/Da Mover document files called suitcase files whose finder icons look like suitcases. They can be used as if they had been installed in the System file. Suitcase files can be automatically opened when the Macintosh starts up, and one can open others or close them while using an application. There is no limit to the number of desk accessories available in Apple menus, fonts in font menus or F keys and sounds. There are dozens or even hundreds available within every application that supports desk accessories. Desk accessories can be opened either by choosing from the Apple menu as usual, or from a list with a scroll bar. SUITCASE is installed by dragging its icon into the System folder. Provides alphabetically sorted desk accessory and fonts menus and shows fonts in their own typeface. Fonts and desk accessories can be shared on networks.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$79.00 |

LOTUS DEVELOPMENT CORP.

SYMPHONY (VER. 2.0)

ISPN 45525-200

Integrates business functions including spreadsheet, word processing, data management, business graphics and communications.

Includes window management capabilities and command language features. Individual menus are provided for each of the five functions. Spreadsheet capacity is 256 columns by 8192 rows. Functions include the ability to turn a range of formulas into pure values,

the ability to hide ranges so that they will not display, the ability to transform rows into columns and columns into rows and the program will also tell you the exact address of a circular calculation. Includes minimal recalculation to improve performance by recalculating only cells affected by changes to the worksheet. Cell formatting includes a configurable negative currency display and global zero suppression which optionally displays cells with a zero value as blank. The graphics features include high-low-close-open graphs (used for tracking stocks), expanded color and scale options and exploding pie charts. You can also show graphics and text on the screen at the same time. Database environment features a forms oriented system so that you may design the forms for the database and also set up a criterion range and/or an output range that is to be used for query and retrieval purposes. A report option is also included. The Word Processing mode features block copy, block move, search and replace, paragraph justify, block erase, and user specified margins, tabs, and spacing. The program also shows different parts of a document in windows on the screen at the same time. Additional word processing features include automatic word wrapping and paragraph reformatting, and eighteen accelerator keys to speed tasks such as deleting inserting, and moving blocks of text. A store and paste facility allows text to be copied multiple times, or restored if accidentally erased. Also features hard tabs and page indicators that are displayed on the screen. A special menu simplifies the selection of attributes such as bold, underline, or italics, and attributed text is demarcated onscreen. DCA file translation eases transfers of documents between SYMPHONY and many word processing programs. The communications functions of the package provide for asynchronous communications and feature automatic log-on sequences, binary file transfer using Xmodem error checking protocol and automatic capture of data into the database. The Command Language feature is a programming language that includes calling and returning from both subroutines and menus, passing arguments to subroutines, looping (like FOR-NEXT in BASIC), conditional logic and transfer (like IF-THEN or IF-GOTO), symbolic substitution of command text, special communications commands and error trapping. Includes Symphony Text Outliner, Symphony Spelling Checker, a network file locking utility and a VT-100 terminal emulator. The text outliner operates with the word processor to serve as a comprehensive idea organizer, automatically indenting and numbering headings and subheadings. The spelling checker has an 80,000-word dictionary with up to six personal dictionaries, and highlights misspellings, offers suggested corrections, and automatically corrects repeated misspellings. The file lock add-in supports shared worksheet files over a network. The fourth add-in provides complete terminal emulation for Digital Equipment Corporation's VT-100 with predefined communications defaults as well as full keyboard support.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+
IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
3 1/2-inch disk

MEMORY

384K
384K

PRICE

\$695.00
\$695.00

BEAGLE BROTHERS**TIMEOUT DESKTOOLS****ISPN 07162-390**

Includes a pop-up appointment calendar, calculator, clock, and envelope addresser for use within the AppleWorks program.

TIMEOUT DESKTOOLS pops up inside AppleWorks (ISPN 12784-100). Also accesses a notepad, automatic phone dialer, clipboard converter (converts data on the clipboard from database to spreadsheet and vice-versa), file encrypter, case converter (converts documents to upper or lower case, capitalizes words or sentences), page preview, and

word count (tells the user the total number of words and characters for any word processor file).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$49.95 |
| <i>Requirements: AppleWorks (ISPN 12784-100).</i> | | | |

BEAGLE BROTHERS

TIMEOUT DESKTOOLS II

ISPN 07162-391

Enables the user to load AppleWorks files without setting pathnames. Includes a calculator and a converter.

TIMEOUT DESKTOOLS II pops up inside AppleWorks (ISPN 12784-100). Searches major cities by city, state or area code. Contains a scientific and financial calculator and a converter which gives equivalents for metric/decimal, length, weight, liquid, and time. Sends control codes to the printer for maximum control. Times up to five events, and keeps track of billings. Enables the user to edit and view the Clipboard, search files, test disks, and auto-blank the screen.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$49.95 |
| <i>Requirements: AppleWorks (ISPN 12784-100).</i> | | | |

BEAGLE BROTHERS

TIMEOUT FILEMASTER

ISPN 07162-525

Copies, compares, renames, deletes, locks and unlocks files from inside AppleWorks. Creates and copies subdirectories.

TIMEOUT FILEMASTER pops up inside AppleWorks (ISPN 12784-100). Copies, compares, renames, erases and formats disks and creates and copies subdirectories. Copies 5 1/4-inch or 3 1/2-inch disks in one pass (provided there is enough memory) and writes out multiple copies. Allows selection rules for choosing files by name and type. Displays up to 100 file names on the screen at once, allows fast loading and saving of any size RAM disk, and erases disks in less than two seconds (creating blank ProDOS disks).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$49.95 |
| <i>Requirements: AppleWorks (ISPN 12784-100).</i> | | | |

BEAGLE BROTHERS

TIMEOUT MACROTOOLS

ISPN 07162-507

Includes macros which allow the user to slide text to the next tab setting and use QuickSpell in a database.

TIMEOUT MACROTOOLS pops up inside AppleWorks (ISPN 12784-100). Features macros that use decimal tab settings and search for values and formulas in AppleWorks spreadsheets. Provides tips which include ways to simulate for/next loops with macros,

how to trap specific keys during user input, and a list of AppleWorks addresses that can be peeked and poked.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$25.00 |
| <i>Requirements: AppleWorks (ISPN 12784-100), Timeout UltraMacros (ISPN 07162-395).</i> | | | |

BEAGLE BROTHERS

TIMEOUT MACROTOOLS II

ISPN 07162-508

Enables you to save multiple variable sets on the desktop and 'tie' two database files together to expand the number of categories.

TIMEOUT MACROTOOLS II contains several enhancements that make it easier for you to write and debug macros. Enables you to print time to the nearest second on an Apple IIGS.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$25.00 |
| <i>Requirements: AppleWorks (Ver. 2.0 or higher) (ISPN 12784-100), Timeout UltraMacros (ISPN 07162-395).</i> | | | |

BEAGLE BROTHERS

TIMEOUT POWERPACK

ISPN 07162-517

Alphabetizes AppleWorks word processor lists, allows up to 36 files on the desktop, and creates three independent clipboards.

TIMEOUT POWERPACK pops up inside AppleWorks (ISPN 12784-100). Launches system or BASIC Programs. When the user exits, AppleWorks is automatically re-run. Creates screens that can be accessed from AppleWorks, reads the current directory into a database file, and alphabetizes the Desktop index or arranges in any order. Speeds up database searches. Includes wild cards. Saves files as 'true' text files without unwanted carriage returns. Converts numbers to ASCII, hex, binary and screen equivalents.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$49.95 |
| <i>Requirements: AppleWorks (ISPN 12784-100).</i> | | | |

BEAGLE BROTHERS

TIMEOUT ULTRAMACROS

ISPN 07162-395

Memorizes any sequence of AppleWorks keystrokes and plays them back. Adds mouse-control.

TIMEOUT ULTRAMACROS offers full 'if-then-else' logic with string and numeric variables. Includes over fifty programming commands plus the ability to read the screen, highlight the screen, and 'peek' and 'poke' memory locations. Allows the user to find any AppleWorks (ISPN 12784-100) file or TimeOut application on the Desktop by name.

Contains an intelligent macro compiler that places the AppleWorks cursor on any errors that might occur. Screen-saver feature allows the user to have the text screen blanked if a key hasn't been pressed for a while.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$59.95 |
| <i>Requirements: AppleWorks (ISP# 12784-100).</i> | | | |

DELTAPOINT, INC.

TRAPEZE (VER. 2.1)

ISP# 00506-600

Blends the capabilities of a spreadsheet with those of a desktop presentation tool to create the presentation worksheet.

Use any Macintosh font, type style and size, even color in any block. Create graphs on the same page with a spreadsheet or import pictures from MacPaint, forms from MacDraw or text from a word processor. Offers freedom from row and column spreadsheets as it was designed specifically for the Macintosh. It stores information in blocks that can be freely moved on the screen. It will retain the relationship between blocks, regardless of location. The auto-sizing feature causes blocks to automatically adjust in size when additions or changes are made to the worksheet. The block format enables you to set up complex worksheets quickly. The program combines the accurate math routines of the Macintosh with computation schemes found only in TRAPEZE. TRAPEZE directly supports Levco's Prodigy 4 and other 68881 math coprocessor upgrades. Allows 32 worksheets to be open at the same time. Work with figures for different company divisions and consolidate the information into one report. The program has over 125 built-in functions and allows the creation of charts which plot thousands of points. Points are only limited by the available memory space. The desktop engineering functions range from matrix operations to simultaneous equations. Multiple databases allow efficient organization of data for analysis and presentation. The program takes advantage of the 68881 math co-processor. Includes a comprehensive Undo function, and several new operators and functions. Provides more line sizes, and additional color and pattern choices. The programs charting ability has been expanded with a variety of options and several charts including contour, hi/lo, stacked bar and column, and polar and chart areas. Additional features include multi-font, multi-style, and multi-color text editing in block. Can import tab-delimited, comma-delimited, or plain text files as well as PICT, WKS, and Trapeze Text Format (TTF) files and can export tab-delimited text, PICT, and TTF files. Supports multiple font types in text blocks in sizes from three to 127 point. Provides background calculations under MultiFinder. Has a tear-off tool menu.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$295.00 |

SOFTSYNC, INC.

TRIO

ISP# 72240-675

Provides three functions of a home computer, integrating word processing, spreadsheet and database management.

The Word Processor combines easy usage with powerful editing capabilities. The spreadsheet allows thousands of entries of numbers, letters and formulas. It also performs automatic recalculation and sections can be copied, moved or excerpted. The

database allows up to ten fields per entry which can be defined by the user so the program can be tailored according to needs. Any field can be searched for easy entry and updating. Data can also be transferred from one function to another. The program also includes interactive help screens with documentation and tutorial for first time users.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$29.95 |

ISD MARKETING, INC.

VIP PROFESSIONAL

ISPN 85271-850

Integrates a spreadsheet, a database and graphing capabilities.

Will help you do your: Home Budget, Loan Schedules, Planning for (Retirement, Investments, Insurance), Accounting, Inventory, Payroll, Business Plan, Check Ledger, Bookkeeping, Accounts Payable, Accounts Receivable, Order Database, Sales Database, Business Graphics, and Engineering Problems. Nothing is left out of the workings of the worksheet. Ranges of cells can be named for convenience, column widths are variable, the screen can be split into two windows, titles can be frozen, contents of cells may be copied or moved, the worksheet may be altered as a whole or only partially, the list goes on and on. VIP Professional can use and save Lotus 1-2-3 files for transfer between computers. The worksheet includes over 45 special functions to simplify commonly used formulas, including powerful financial functions for the internal rate of return, present value, and future value. Has all mathematical, trigonometric, table, conditional and logical functions. The built-in database can handle up to 8,192 records, with a possibility of up to 256 fields. The records can be searched, sorted and analyzed to find your best salesperson or your rarest stamp. Sorts can be done using multiple criteria, in ascending and descending order. Database functions can be used to do up to seven different kinds of statistical analyses of your database. The graphing capabilities of Professional are astounding. Not only are there six completely different types of graphs available, there are tens of ways to manipulate the data, titles, grids, colors, legends, keys, and scaling of the size of the graph. Professional also includes sophisticated macro programming commands. With several special macro commands, the user can actually program VIP PROFESSIONAL to be dedicated to a specific task such as accounting. It comes with a user-sensitive tutorial for the newcomer. Help is built right into the program. With the handy tutorial, you will be able to create professional worksheets in just minutes. Works with printers supported by the Workbench. Offers spreadsheet, database, graphics and macros with total Lotus 1-2-3 functionality.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 256K | \$249.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$299.95 |

PAPERBACK SOFTWARE INT'L.

VP-PLANNER PLUS (VER. 2.0)

ISPN 59721-930

Contains a spreadsheet, database and a report generator compatible with Lotus 1-2-3 (Release 2.01) worksheets.

Reads, writes, updates, and creates VP-Info and dBASE (II, III and III+) compatible files from within any worksheet. User can build worksheets out of both standard spreadsheet data and information stored in external database files. The Data Input command allows users to enter and edit data from a formatted data entry screen. Various features control the appearance of the data, both on screen and as printed reports, including onscreen display of function keys, time, screen colors, and type of menus that appear for command selections. User can select time interval for automatically saving current worksheet to disk. Can manage large mailing lists, personnel files, parts lists, customer files, and warehouse inventories. The VP-PLANNER PLUS Multi dimensional Database files simplify accurate spreadsheet modelling of complicated 'real-world' financial situations. The typical worksheet displays data relationships in two dimensions, for example, sales over time. VP-PLANNER PLUS expands the correlation of data to as many as five dimensions. This feature provides access to the equivalent of hundreds of individual worksheets stored within a single disk file. Data can be quickly updated and consolidated from any worksheet. Recalculation of the Multi dimensional Database file automatically updates all related subtotals, totals, and consolidations. The user can update, change and analyze data throughout all dimensions without having to extract data or reenter information. Any combination of the data can be printed, graphed, and included in reports. The user can create macros of up to 512 keystrokes using the Autokey feature, which consists of a record of keystrokes that can be played back, or create label macros. Both types can be edited and label macros can be stored and recalled by name from within any other worksheet. With this feature, the user can develop a library of macros. Worksheet size is up to 256 columns by 9999 rows and user can define windows to view up to six areas of a worksheet at once. Additional features include: automatic page numbering, user-defined custom formats for non-dollar currencies, telephone and social security numbers, etc., and the ability to add boxes, lines and special characters to worksheet. With the text editing functions, users can make notations about parts of the worksheet, generate correspondence without leaving the worksheet, and print out reports that include text, printer codes, any range of rows and columns from the worksheet and embedded graphs scaled for the page size. User can generate and print graphs in a variety of formats, including pie, bar, line, X-Y, scatter, and stacked bar, combine and sort worksheet files, and create links between files using macro sequences. User can execute DOS commands without leaving VP-PLANNER PLUS and print one worksheet in the background while working on another. A range of cells can be transposed, turning rows into columns and columns into rows, and all formulas are adjusted. Program includes 48 functions for string handling, advanced financial calculations, time and date handling, testing and validity checking, and 65 macro command words for developing label macros. Not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$249.00 |
| <i>Requirements: 448K using Multidimensional Database files, CGA, EGA, VGA or Hercules Graphics Adaptor.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$249.00 |
| <i>Requirements: 448K using Multidimensional Database files, CGA, EGA, VGA or Hercules Graphics Adapter.</i> | | | |

WORDPERFECT CORP.

WORDPERFECT EXECUTIVE

ISBN 68012-560

Combines spreadsheet analysis, word processing and information management.

Appointment Calendar keeps track of time and appointments, and a To-Do list tracks items with different priorities. Items not completed today will automatically be carried

over to tomorrow. Spreadsheet applications include search, named cells, and underlined and bolded cells. Sort feature permits simple database applications. Graph features allow user to create bar charts from spreadsheets. Graphs can be displayed, printed or transferred to a word processing report. Sealing is automatic or manual. Provides a four function calculator with memory register, fixed and floating decimal point, and percent and square root function. Enables user to prepare letters, memos, notes and reminders within the word processing module. Notebook module keeps names and addresses in an easy-to-access file with the appearance of notecards. Reports and itineraries are quickly compiled by combining information from EXECUTIVE's various components.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$249.00 |

WORDPERFECT CORP.

WORDPERFECT LIBRARY (VER. 2.0)

ISPN 68012-625

Includes the shell for integration, a calendar, scheduler, phone messenger, and electronic mail.

The calendar allows the user to enter appointments and set an alarm. It prints appointments, memos, and to-do lists for each day, week, or month. If the user has a regular weekly appointment, he can duplicate the original entry for each necessary date (up to six months in advance). Allows the merging of two separate calendars to check for conflicting appointments. The notebook can handle hundreds of records. The notebook may be used as a telephone directory, with entries alphabetized or sorted by a specific area code. If a modem is used in combination with the notebook, the user can automatically dial from the directory, with 26 dialing prefixes and suffixes. The user can create files which contain employee lists, business contacts, or customers. Files may be sorted by any field and then printed. Notebook files are saved in WordPerfect Merge format, allowing the user to transfer them to WordPerfect. Includes three calculators. The financial calculator can amortize a loan, figure a margin on the sale of goods, or calculate the future value of a ten-year bond. The programming calculator performs base conversions, as well as all logical and boolean operations. With the scientific calculator, the user can use logarithms, exponents, and trigonometry. All of the calculators can switch between RPN and Algebraic operating modes. The file manager helps the user organize program and data files into workable groups. The user can delete, rename, print, or look at a file. Files may be sorted by name, size, or date and any number of files may be marked to be copied or deleted. The user can also enter a search string and the file manager will display a list of files containing that string. The program editor allows the user to mark several blocks to be cut, copied, or deleted. An auto-indent feature may be used for structured programming. Also included are duplicate line, hex edit, list files, macros, search/replace, and separate printing. Price for Data General version varies from \$1800-\$8000.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$129.00 |
| <i>Requirements: Hard disk or two disk drives.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$129.00 |
| <i>Requirements: Hard disk or two disk drives.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$129.00 |
| <i>Requirements: Hard disk or two disk drives.</i> | | | |

142 PRODUCTIVITY/INVESTMENT MANAGEMENT

LOTUS DEVELOPMENT CORP.**LOTUS SIGNAL****ISPN 45525-195**

A hardware/software package for users interested in securities. Automatically downloads the latest stocks for analysis.

The receiver, which resembles a modem, captures prices that are broadcast by a local FM radio station via subcarrier. After receiving data originating from the major stock exchanges, over-the-counter systems and commodities trading floors, SIGNAL can monitor up to 600 securities and will sound an alarm when a given price level or volume is reached or a news alert is broadcast even if the PC is off. The software comes with a template to create a spreadsheet-based financial portfolio. Extract price information from the receiver and loads the information wanted for analysis into spreadsheet cells to update the value of their portfolios continuously. Transmissions are available in at least twelve major U.S. cities. The base fee is for one security exchange and there is an additional charge for each additional exchange. Available exchanges include: New York Stock Exchange, American Stock Exchange, NASDAQ, Chicago Board of Trade, Chicago Mercantile Exchange, Commodity Exchange Center, Kansas City Board of Trade, New York Futures Exchange, OPRA, NYSE Cumulative Tick, NYSE Short Term Trading Index, Dow Jones News Alert and Standard and Poor's. Not copy protected.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

384K

\$595.00

*Requirements: Serial interface card (9600 baud), monochrome or color monitor.***DISK-COUNT SOFTWARE, INC.****PORTFOLIO MANAGER****ISPN 26189-666**

Updates and manages securities portfolios, including stocks, bonds, options, mutual funds, and treasury notes.

Allows user to track and record all buy and sell transactions. Creates a detailed tax report to support Federal income tax calculations and filings. Prints reports which provide the user with a clear history of all transactions and changes for the portfolio, with an unlimited number of securities. Contains an optional modem feature for updating portfolio prices using the Dow Jones News/Retrieval or Warner Financial Access services. Introductory subscription offers to these services are enclosed. Includes instructions which may be read on-screen or printed out. Works with Hayes compatible modems.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

256K

\$34.95

REALITY TECHNOLOGIES

WEALTHBUILDER BY MONEY MAGAZINE**(VER. 1.0)****ISPN 65487-801**

Personal financial planning software that helps you take stock of your current financial situation and plan for the future.

WEALTHBUILDER BY MONEY MAGAZINE computes what you need to budget on an annual basis, and recommends an optimal asset allocation for each objective, based on the Capital Asset Pricing Model, a database of over 1,400 mutual funds, 1600 stocks and current economic condition. Compares your projected assets at your current level of budgeting and investment, to the level of assets necessary to reach your goals. Helps you with tax, insurance and estate planning and allows you to perform 'what-if' analysis; you can change any information or assumption and immediately see the impact on your overall financial picture. Lets you outline each of your financial objectives, such as home purchase, education or retirement.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 512K | \$249.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 3 1/2-inch disk | 512K | \$249.95 |

143 PRODUCTIVITY/INVOICING/ORDER ENTRY

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC PLUS ORDER ENTRY (VER. 5.1)**ISPN 74700-220**

Provides instant access to information on any order.

ACCPAC PLUS ORDER ENTRY includes the following features: Generating order confirmations; calculation of prices with up to five discount categories and tax jurisdictions; five separate tax tables allowing rates for multiple locations and special taxes on specific products; maintaining backorder status; printing picking slips, invoices, credit notes and reports; multiple ship-to addresses; orders entered as future, recurring, on-hold, active or backorder; orders reclassified; and user customization of order confirmation, picking slips, credit memos and invoices. Integrates with other modules in the ACCPAC Plus series. Can be run in windows on your screen using ACCPAC Plus Windowing System Manager (ISPN 74700-090). Supports CGA, VGA, EGA and Expanded memory. Written in C and Access 'C'. Available in single user and multi-user versions. Support available at (408)432-1764. NetWare Aware features: DDh set error mode and 43h set file attributes (shareable) NetWare-specific system calls.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Hard disk, 132-column printer.</i> | 3 1/2 and 5 1/4 | 512K | \$795.00 |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**ACCPAC PLUS RETAIL INVOICING (VER. 5.1)****ISPN 74700-195**

A point-of-sale program that automates the retail invoicing process.

ACCPAC PLUS RETAIL INVOICING enters invoice and payment information and automatically prints invoices. Retains sales and accounting data and generates reports including daily sales recap, commission calculation and sales analysis report. It can become a complete point-of-sale system with the addition of a cash drawer. Payment types supported include cash, checks and credit cards. Automatically calculates sales tax using up to five different tax rates to accommodate varying taxation requirements. The user may create and maintain a price list or use the price list from ACCPAC Plus Inventory Control and Analysis (ISPN 74700-140). Integrates with other modules in the ACCPAC Plus series. Can be run in windows on your screen using ACCPAC Plus Windowing System Manager (ISPN 74700-090). Written in C and Access 'C'. Supports CGA, VGA, EGA and Expanded memory. Available in single user and multi-user versions. Technical support available at (408) 432-1764. NetWare Aware features: DDh set Error mode and 43h set file attributes (shareable) NetWare-specific system calls.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2 and 5 1/4 | 512K | \$795.00 |
| <i>Requirements: Hard disk, 132-column printer.</i> | | | |

148 PRODUCTIVITY/MAILING LISTS

SATORI SOFTWARE**BULK MAILER + (VER. 3.23)****ISPN 68024-105**

Version of Bulk Mailer program that allows your mailing list to grow to 90,000 names.

On a 512K Macintosh with at least 5.6 megabytes of hard disk space, BULK MAILER PLUS can manage up to 32,000 names. On a 1 megabyte Macintosh or any Macintosh Plus with about 13 megabytes of hard disk space, it can handle up to 90,000 names. This program is compatible with Apple's Multifinder and works with all high-end Macintosh computers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$350.00 |
| <i>Requirements: Two 800K disk drives or hard disk.</i> | | | |

BLOC PUBLISHING CORP.**FASTPAK MAIL (VER. 4.0)****ISPN 07925-265**

Streamlines the entire mailing process, from list and customer management, to label and envelope printing.

FASTPAK MAIL performs mail merge and bulk mail preparation. Completely menu-driven and contains hundreds of ready-to-use, pre-defined formats. Supports virtually all printers, including HP compatible laser printers and color monitors. Bulk mailing features include nine, five or three-digit zip code sorting and automatic duplication checking. Can sort your lists by any criteria - names, addresses, companies, states, zip codes - even by any two. You can import and export documents easily to and from leading word processors like WordPerfect (ISPN 68012-600), WordStar (ISPN 53000-820), Microsoft Word (ISPN 53150-731) or spreadsheet programs like Lotus 1-2-3 (ISPN 45525-050), Symphony (ISPN 45525-200) and Excel (ISPN 53150-270), as well as programs like dBASE. Allows you to print any continuous feed adhesive labels. Prints labels one, two, three or four across in dozens of sizes and shapes. Prints labels (in any configuration), return address labels, envelopes, rotary index cards, file folder labels, diskette labels, shipping and inventory labels, invoices, checks, index cards, phone number lists, sales leads, newsletters, subscriber lists and prospect mailings. All bulk mail regulations and associated labels are available from the menu and all sorting is done to achieve the least possible cost, such as nine, five and three-digit zip code sorting. Addresses express shipping airbills and UPS C.O.D. labels.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$79.95 |

POP COMPUTER PRODUCTS, INC.

LABELS!

ISPN 61558-475

A versatile home and small business record file that prints envelopes and labels.

LABELS! accepts records one-at-a-time or lets you import up to 4,000 from another program. When you store a label you can assign it to any of 16 different groups. Later, when printing a mailing list, you can print just those labels that belong to selected groups. Once you have entered an address, it is stored for future use. The 'lookup engine' is a powerful way to find that name again. You only have to remember a few characters to quickly recover an entire address. Lets you type your labels in any layout. There are no fields or forced locations. Just type in an address as you would with a typewriter. Provides built-in storage for your commonly used label formats. LABELS! can be configured to send strings of control characters before and after each label. The grabber feature allows you to write a letter and only enter the address once. When you write the letter on your word processor program, the grabber can be popped up to snatch the address right off the screen. Every new screen, every new window and every new entry has a pop-up screen awaiting with useful information. Imports records from ASCII text files and prints on any dot-matrix or LaserJet printer. Features ten prestored print formats and 25th line screen prompting. LABELS! is only temporarily memory-resident when using the grabber feature. Supports any ASCII printer (including LaserJet) through parallel port 1 or 2. A hard disk is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$29.95 |

AVERY LABEL

LIST & MAIL PLUS

ISPN 06427-490

Enables you to print mailing lists, store and modify mailing lists and manage larger mailing lists with more demanding requirements.

LIST & MAIL PLUS is menu-driven and provides on-line help screens. Stores up to 64,000 addresses. Includes pre-defined printing formats for several popular continuous form and laser labels. Features three 'comment' and four 'code' fields for additional information storage. Automatically duplicates frequently entered data, checks for duplicate addresses, locates address by searching on any field, searches for last names using the 'sounds-like' function, and has the ability to generate multiple lists from a single database. Creates automatic lists based on selection criteria and performs multiple level sorts by utilizing any combination of fields. Sorts addresses in ascending or descending order. Allows you to design your own label of up to 99 lines. Prints one to nine labels across. Has the ability to transfer files to and from popular database and word processing formats including WordPerfect (ISPN 68012-600), Microsoft Word (ISPN 53150-731), Multimate (ISPN 74137-100), Lotus 1-2-3 (ISPN 45525-050), Symphony (ISPN 45525-200) and standard ASCII files. Prints on all dot-matrix and HP laser printers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------|-----------------|---------------|--------------|
| APPLE IIC, IIE | 3 1/2 and 5 1/4 | 128K | \$59.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$59.95 |

VISION SOFTWARE

MAIL EXPRESS

ISPN 85371-505

A home and office tool that helps you with large mailing jobs. Shows you how to sort, file and do bulk mailing.

MAIL EXPRESS features pull-down menus. On-line prompting shows you exactly all that can be accomplished within each option. The filing option allows you to organize and file the many lists of people you have on your mailing schedule. You can store as many lists as you have space on your disk. Enables you to incorporate both international and nine digit zip codes into your regular mailing. The data search option lets you select any of your search patterns and move from field to field by a touch of a key. The data sort system allows you to arrange your data in ascending or descending order based on any of your 11 input fields. A key word search gives each record or entry up to four key words to sort, search or print. Excellent for clubs or organizations, this option lets you target a specific group of people. The bulk mailing feature meets the U.S. postal requirements for bulk mailing. Enables you to sort and group large amounts of mail to reduce postal rates.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$19.95 |

MYSOFTWARE, INC.

MYLABELMAKER (VER. 1.2)

ISPN 55910-500

Creates custom labels for home or office.

MYLABELMAKER produces file folder labels, audio/video cassette labels, diskette labels, moving labels, mini labels, return address labels and many more. Holds up to 99 entries and alphabetizes by the title you designate to each label. Provides a numbering feature which automatically numbers fixed asset tags and raffle tickets. Choose one of four predesignated label sizes or design your own label with a custom size feature. 'You-design-it' custom labeling capability is also included. Add \$5.00 for a 3 1/2-inch disk.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$19.95

MYSOFTWARE, INC.**MYMAILLIST****ISPN 55910-503**

Provides an easy way to maintain your mailing address lists.

MYMAILLIST keeps track of customer lists, Christmas cardlists, newsletter subscribers, club memberships and more. Alphabetize your list at any time using one quick keystroke. Sorts six different ways including last name, company, city, state, zip and notes. Prints mailing address labels in four standard sizes. Other print formats include shipping labels, rolodex cards, index cards, address books (two sizes), rosters and envelopes. Add \$5.00 for a 3 1/2-inch disk.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$19.95

POP COMPUTER PRODUCTS, INC.**POPBASICS: LABELS!****ISPN 61558-615**

Prints one envelope or one label in seconds.

POPBASICS: LABELS! stores addresses and many other types of records. Prints envelopes and different size labels. It is possible to do envelopes on LaserJet printers. Context-sensitive, on-line help is always available.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$14.95

*Requirements: Hard disk.***SILICON BEACH SOFTWARE****SILICON PRESS (VER. 1.1)****ISPN 70237-450**

A label, envelope and card maker which allows you to mix text and graphics. Prints in color on an Imagewriter II printer.

A small dime-sized label can be printed 10 columns across by 30 rows down, or a full page can be printed up to 17 inches by 17 inches. The design window is used to create the item to be printed. Graphics are pasted in. Text is typed in anywhere, even on top of the graphics. Multiple images can be layered over each other and type size and style can be changed at will. With an Imagewriter II, each text and graphics item can be assigned one of seven colors. With the Laserwriter, you can get near-typeset quality.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$79.95

151 PRODUCTIVITY/MARKETING/SALES

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC PLUS SALES ANALYSIS (VER. 5.1)

ISPN 74700-650

Accesses information needed to plan and monitor sales activities using data generated by Easy Business Systems Accounting programs.

ACCPAC PLUS SALES ANALYSIS is a decision support tool used to help analyze sales data generated by EasyBusiness Systems accounting software. Helps plan, forecast, evaluate sales performance and analyze key market segments. Analysis transforms existing data from the accounting software into custom reports. The six predefined Summary Reports include Item Sales by Customer, Customer Sales by Item, Item Sales by Salesperson, Six Month Item Sales Summary and two reports comparing Sales for different customers and items. Data may be exported to other programs such as SuperCalc or Lotus 1-2-3 for creating graphs or performing further analysis. Will run on the Novell, IBM PC, 3COM 3+ and 3COM Ether local area networks. Written in C and Access'C'. Supports CGA, VGA, EGA and Expanded memory. Available in single user and multi-user versions. Technical support available at (408)432-1764. NetWare Aware features: DDh set error mode and 43h set file attributes (shareable) NetWare-specific system calls.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$495.00 |
| <i>Requirements: 132-column printer, 360K disk drive and hard disk. Retail Invoicing (ISPN 74700-195) or Accts. Receivable (ISPN 74700-027).</i> | | | |

CHANG LABORATORIES, INC.

C*A*T (VER. 2.04)

ISPN 12200-200

Integrates management of contacts, activities and time.

C*A*T includes the following features: Multiple views of your contacts; unlimited contacts at each address to keep track of contacts at larger organizations; preset activities for automatic scheduling of follow-up events; preset text for form letters, marketing surveys, scripts and forms entry; and recurring events for automatic reminders on regular events. Also includes Power Calendar with snapshot view of events by contacts, activities and time; C.A.T. Merge for passing data to others; and updating, replacing duplicates and acquiring data from third party sources. Records up to 32,000 characters of notes for each and every contact or company. Contact information includes name, multi-line address, phone, zip, alpha, state, lookup codes and combination sorts. Time management consists of a perpetual calendar, tickler system, double click a date to view all events for this date, to-do items in color and select date range for day, week, month or any range. Tracks events by product, phone calls, meetings and letters sent. Links events to customers to simplify data entry and provide a total audit trail. Files events chronologically by customer and by type of activity for every note, letter, phone call and meeting. Defines custom activities and allows you to hot link events to activities to simplify data entry and provide audit trails by activity. Enter preset text into activity fields for form letters, questionnaires, sales guidelines and order entry forms. You can share date by reading tab delimited text files from FileMaker, Omnis 3, Excel, Works, Word 3, File and other Macintosh products.

Reads customer/vendor lists from Rags to Riches accounting modules. Compatible with ImageWriter, LaserWriter, MultiFinder and AppleShare. Available in a multi-user version.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$399.95 |

REMOTE CONTROL, INC.

TELEMAGIC!-ENGLISH (RELEASE TEN)

ISPN 95416-100

Organizes and facilitates all aspects of sales and management. Includes a word processor, filer, autodialer and mailmerge.

TELEMAGIC!-ENGLISH allows you to track all phases of sales from the initial contact through correspondence, to order entry and invoicing. Includes call timing, record retrieval, pop-up calculator, alarm, tickler and notepad. Provides filters, order entry/quote preparation, call history analysis and automatic running with batch files. Database supports one billion records, and a contact record can be up to 64K in size. Includes user-definable fields, automatic time and date stamp for each call and the ability to import and export selected records. Creates mailing lists and sends electronic mail. Seven user-definable fields let the user sort and select contacts for different uses or reports. Each field can be divided into multiple sub-fields. Includes a communications program which can autodial, alternate long distance services, three way call, hold, flash and record call duration. Provides on-line help, both context sensitive and keyword. User can create customized reports and personalized form letters using the mailmerge facility. Interfaces with many popular accounting systems such as SBT, SourceMate, Real World and Open Systems, to provide complete office automation. With the optional 'Developers Kit', VARs may build custom extensions to TELEMAGIC! for specific solutions. Written in compiled dBASE III. Supports modems and laser printers. Available in single user and multi-user versions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 400K | \$495.00 |

Requirements: Modem for autodialer.

153 PRODUCTIVITY/MISCELLANEOUS PRODUCTIVITY

CONTACT SOFTWARE INT'L., INC.

ACT!

ISPN 19037-100

Increases efficiency and accuracy by automatically organizing and updating personal and business activities.

Provides contact management and a desk top organizer. It is a fully integrated and comprehensive system that organizes and maintains records, files and prints reports, and has a calculator, bulletin board, electronic reminder, a library and an integrated word processor. It features Lotus-like menus, one-stroke 'hot key' commands and exclusive 'editable' pop-up windows that save time and eliminate repetitive typing. The history of each record is updated as the user phones, writes and plans schedules and tasks. Any record or group of records can be located immediately according to any

specific criteria that is chosen, and each information field and its pop-up menu can be edited to reflect individual work habits and revised as procedures or priorities change. Works with monochrome, color monitor, or LCD screen. Comes with a user's manual. Printer is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 460K | \$395.00 |
| <i>Requirements: Two 720K disk drives or hard disk.</i> | | | |

POWER UP SOFTWARE CORP.

ADDRESS BOOK PLUS

ISPN 61687-645

Organizes and prints pocket address books, rotary-file and index cards, mailing labels and envelopes.

Features include data entry in which for each name, two phone numbers, a company, a three-line address, a profession and a comment can be entered. Import data directly, using text files from other programs. Total entries are determined by the available RAM. (400 names for 256K and 1500 names for 640K machines). Sorting features give organized printouts. Each name can appear alphabetically in up to three places in the basic address list, under name, company, and profession. You can also use select codes to organize printouts by categories assigned such as business contacts, holiday card recipients, friends, etc. Envelopes and mailing labels can be sorted by name or by zipcode. 'Yellow Pages' can be printed alphabetically by profession. Search by name, company, or profession. 100 sheets of 6" by 3 3/8" perforated, prepunched, tractor-feed paper, two flexible spiral bindings, and a black leather cover are included. The back of the paper is ruled for hand entries. The completed book fits Day-Timers and similar personal organizers. Use any IBM compatible printer for standard size address lists, cards, etc. For pocket address books, the printer must print condensed characters (15 to 17 characters per inch).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.95 |
| <i>Requirements: Includes 3.50 X 5.50-inch wallet. Printer, 80-column monitor.</i> | | | |

ALDUS CORP.

ALDUS PERSUASION (VER. 2.0)

ISPN 02226-800

An application for the Apple Macintosh which provides a complete set of tools to produce 35mm slide and overhead presentations.

ALDUS PERSUASION has an AutoTemplate which transforms text instantly into finished visuals. Includes full word processing, drawing and charting for enhancing presentations and illustrating data. The system's outline processor organizes ideas with the help of hierarchical levels for section titles, slide titles, subheadings, bullets and paragraph text. Users can choose from a number of layouts, each with its own collection of slide masters for different slide types. Word processing features handle type specification including the ability to mix typefaces, styles, sizes and colors within a single text block, automatic wordwrap, an indents/tabs ruler with multiple indent markers and more. Includes drawing tools for lines, rectangles, circles, polygons, arcs and freeform sketching and is capable of producing such special effects as rotation and graduated fills. For charting numbers, automatically converts data into a wide choice of chart types including bar, pie, line, area, scatter, high-low, table and user-defined formats. Enables

users to customize color schemes for entire presentations, giving them access to 16.8 million colors on the Macintosh II. Offers several presentation management tools including instant speaker notes and audience handouts. Slide sorter preview rearranges slides on-screen by dragging the mouse and slide overlays introduce points one by one. Packaged with a comprehensive user manual and tutorials and registered users receive 45 days of free telephone technical support. Supports Macintosh compatible printers, monitors and mouse. Technical support available at (206)628-2320.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$495.00 |
| <i>Requirements: One 800K disk drive and hard disk.</i> | | | |

GOOD SOFTWARE CORP.

ARRIBA (VER. 1.0)

ISPN 33278-102

Collects, organizes and retrieves your personal information.

ARRIBA keeps track of names and addresses, appointments, phone conversations, notes on meetings, status of projects, reminders and more. Information may be entered through special forms or directly into a not as free-form text. Provides for an unlimited number of custom applications. Creates cross references to notes and folders, moves items from one folder to another and more. Use the search function to find the notes and folders which contain the information you want.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$195.00 |
| <i>Requirements: Hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$195.00 |
| <i>Requirements: Hard disk.</i> | | | |

BERKELEY SOFTWARE

DESKPACK PLUS

ISPN 07440-100

Accesses and converts hundreds of Print Shop, Printmaster and Newsroom graphics for use with geoPublish.

DESKPACK PLUS includes three applications--Graphics Grabber, Icon Editor, and geoMerge, and three accessories--geoDex, a calendar, and blackjack. Graphics Grabber accesses and converts hundreds of Print Shop, PrintMaster and Newsroom graphics for use with GeoPaint and GeoWrite. The calendar is a pop-up 'daytimer' like accessory for appointment planning through the year 9999. Blackjack is a pop-up game that rivals those in Las Vegas. Icon Editor allows the creation of custom icons for files. Also includes GeoMerge, a mail merge program that creates form letters from a common GeoWrite document. Sorts names, addresses, phone numbers, and generates phone lists and address labels. Users can make unlimited backups, providing they have a valid Geos boot disk.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| <i>Requirements: geoPublish (ISPN 07440-360).</i> | | | |

LOTUS DEVELOPMENT CORP.**LOTUS AGENDA (VER. 1.01)****ISPN 45525-110**

Provides a productivity tool for managing ideas, tasks, people, projects, plans and goals.

LOTUS AGENDA provides three simple features (items, categories, and views) that allow users to create a variety of applications. Items and free-form strings of text up to 350 characters in length can be entered without any database-type structure being set up first. Notes up to ten pages long can be attached to an item. Items may be assigned to several categories at once and there is no limit to the number of categories in a database. Categories allows users to gain control of changing items of information and uses these categories to manage the relationships. Categories may be referred to by any number of synonyms, and each 'parent' category may include many sub-categories, called children. Views are essentially an ad hoc query of information available. Any item, category, or category assignment can be edited from within any view, and automatically update links between the item and its categories in all views if any changes are made. Users can design views to suit their own needs. Users can, using Agenda's built-in programming language, make dynamic links among categories, use multiple synonyms for categories and filter items so they appear or not appear in a particular view.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$395.00

*Requirements: Hard disk.***SYMANTEC****MORE II****ISPN 77413-400**

Provides outline processing and a presentation system to organize and develop ideas, lists, projects and desktop presentations.

Combines the organization of outline processing and a desktop Presentation System. It instantly transforms outlines into bullet charts or tree charts, dials phone numbers, has math functions and more. Includes an integrated word processor with selective text styling which provides italic, boldface, shadow, outlining and underlining, multi-level bullet charting which allows for the display of outlines in bullet form, keyboard control allows users to select menus and commands from the keyboard. Compatible with Apple's Multifinder (Ver. 1.0). Requires external drive or hard disk.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$395.00

INFORMIX SOFTWARE, INC. (KS)**SMARTWARE II****ISPN 38500-725**

An integrated package consisting of four modules: Database, Word Processor, Spreadsheet with Business Graphics and Communications.

SMARTWARE II provides extensive printing and formatting options in every module, allowing users to produce output on their DOS PC's that rivals the Macintosh. Supports over 150 printers, including PostScript printers. Includes the Smart Programming Language (SPL). The Communications module records English commands for easy

programming and editing. Features password protection and file encryption, on-line help, documentation and interactive tutorials. Provides customized typesets, up to 99 points. The Database module features extensive relational capabilities. Over 100 files can be combined in a single view or report. Provides on-screen windows for simultaneous display of multiple views and holds up to 200 million records per file. Over 200 report fonts are available. Features B-tree key field structure for fast location of data, dynamic key fields with instantaneous update, a built-in report generator and tabular and free-form reports. The Spreadsheet module features background and minimal recalculation. Preformats cells. Features worksheet consolidation and relational worksheet capabilities, variable cell width and height, a built-in report generator with scaleable fonts and extensive auditing capabilities. Enables you to import and export Lotus 1-2-3 (ISPN 45525-050), DIF and ASCII files. The Word Processor module includes a 140,000-word spell checker and a 600,000-word synonym thesaurus. Provides table of contents and index generation, automatic document saving, microjustification and proportional spacing support, mail merge, automatic reformatting, headers and footers and widow and orphan support. Up to 32 fonts can be used per document.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$699.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$699.00 |

SYMANTEC

THINKTANK (VER. 2.0)

ISPN 77413-100

Provides outline processing, integrated word processing and graphics capabilities for planning, strategizing and writing.

ThinkTank is a powerful outline processor with desktop productivity features. Its flexible outline format lets you organize your thoughts, develop ideas and plan projects. Easily reorganize outlines by moving groups of headlines with MARK and GATHER commands. COLLAPSE main headings to hide details from view. EXPAND headings and outlines when you want to see more detail. ThinkTank's streamlined word processor lets you organize and write clear and focused documents. It now includes 25 free "Quick Start" templates for Business Management, Sales and Marketing, Personal Information and Scheduling, Customer Service, Legal, and Reference Information, all to help you manage your business and personal affairs more effectively. Compatible with Apple's Multifinder (Ver. 1.0).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$195.00 |
| IBM/MICROSOFT OS/2 1.0+ | 5 1/4-inch disk | 256K | \$195.00 |
| IBM/MICROSOFT OS/2 1.0+ | 3 1/2-inch disk | 256K | \$195.00 |

FIRST ROW SOFTWARE PUBLISHING

ZAP..THE CODEFINDER

ISPN 91839-900

A memory-resident zip code directory.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$24.95 |

157 PRODUCTIVITY/PAYROLL

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC BPI U. S. PAYROLL (VER. 2.1)

ISPN 74700-750

Provides a comprehensive payroll system that allows you to offer a variety of deductions and handle government reporting requirements.

ACCPAC BPI U.S. PAYROLL offers three compensation methods for employee accounts - salaried, hourly and commissioned. Calculate pay based on five hourly rates and four commission schedules to pay employees weekly, biweekly, semimonthly or monthly. Process employer-sponsored IRA deductions and 401(k) deductions. Calculate taxes based on tax tables for 58 separate taxing districts. Create up to 20 company deductions. Define up to six company deductions per employee, plus FIT, FICA and SIT. Print a federal remittance for the total amount of FICA and FIT owed. Update automatically all month-to-date, quarter-to-date and year-to-date information for each employee. Print W2s and reports including earnings, commission, pay analysis, employee information, employee pay information, deductions, disability insurance, tax information, quarterly wage statement and audit report. Journals and listings include payroll register, employee adjustments, check register and employee list. Schedules include configuration, department names, commissions, deductions and SUTA wages. Allows you to exchange data with SuperCalc, Lotus 1-2-3 and dBASE III. Provides real-time accounting with automatic posting which ensures the up-to-the-minute accuracy of payroll records. Includes pull-down menus and on-line help. Features Selector, an information finder that gives you immediate access to needed information such as an account number, and once selected, allows it to be entered with a single keystroke. Provides a suspend function that allows user to temporarily leave one task or application to perform another without losing their place or work in the previous application. Written in Pascal. ACCPAC BPI Accounting LanPak (ISPN 74700-705) is required for multi-user capabilities. Technical support available at (408)432-1764.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$395.00

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC PLUS U.S. PAYROLL (VER. 5.0)

ISPN 74700-175

Handles the complexities of payroll computation, recordkeeping, payment and reporting.

ACCPAC PLUS U.S. PAYROLL is flexible enough to process the records of hourly and salaried piece-rate employees simultaneously, while allowing you customized check writing to fit your own check format. Accommodates all pay cycles (daily, weekly, bi-weekly, semimonthly, monthly and quarterly). Automatically calculates all taxes and accommodates non-standard earnings such as commissions, piece-work pay, bonuses and tips. Calculates multiple deductions such as union dues, savings, contributions and more. Prints government forms such as W2's, 941's and 1099's. Produces a certified payroll report and outputs W2 information to magnetic media. Offers extensive on-screen inquiry functions and context sensitive help with EasyPlus. Integrates with other modules in the ACCPAC Plus series. Can be run in windows on your screen using ACCPAC Plus Windowing System Manager (ISPN 74700-090). Written in Cand Access

'C'. Supports CGA, VGA, EGA and Expanded memory. Available in single user and multi-user versions. Technical support available at (408)432-1764. NetWare Aware features: DDh set error mode and 43h set file attributes (shareable) NetWare-specific system calls.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2 and 5 1/4 | 512K | \$795.00 |
| <i>Requirements: 132-column printer.</i> | | | |

DACEASY, INC.

DAC-EASY PAYROLL (VER. 4.0)

ISPN 22137-375

Handles deductions, printing of checks, reviews, management reports and more.

Can either stand alone or integrate with DAC-Easy Accounting to form a comprehensive business management program. Features include: Built-in federal and state tax tables for all 50 states; automatic federal, state, and city withholding calculations; FICA and user-defined deductions like union, insurance and etc.; prints continuous form checks and W-2's; up to 99 departments, with earning and deduction codes per department; manages hire dates, raises, reviews, terminations, vacations and sick time; generates complete range of management reports; supports hourly and salaried employees for different payroll periods, tips, piece-rate and after-the-fact payroll and more.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$99.95 |

DACEASY, INC.

DAC-EASY PAYROLL TUTOR (VER. 3.0)

ISPN 22137-380

Enables the user to learn how to install and operate all aspects of Dac-Easy Payroll without ever reading the manual.

DAC-EASY PAYROLL TUTOR allows you to load the disk into the computer and follow the step-by-step instructions. Can be used by the beginner to become familiar with Dac-Easy Payroll (ISPN 22137-375) or by current users as a handy reference. Performs on both color and monochrome monitors.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$29.95 |

GREAT AMERICAN SOFTWARE

HOME ACCOUNTING BY COMPUTER

ISPN 33428-300

Contains income, expenses and payroll screens using a single-entry bookkeeping system which keeps records for one year.

HOME ACCOUNTING BY COMPUTER includes a memo pad and a calculator that can transfer the results of calculations directly into on-screen forms. Assorted reports include a list of expense, income, and payroll items entered. Income statements

summarize the activity of the business. Keeps yearly records of bookkeeping entries, then becomes a permanent part for year-end tax preparation. All reports fit on 8 1/2 x 11-inch paper.

SYSTEM

COMMODORE 64/128
IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
5 1/4-inch disk

MEMORY

256K
256K

PRICE

\$59.95
\$59.95

STATE OF THE ART, INC.**M*A*S 90 EVOLUTION/2 PAYROLL (VER. 1.10)****ISPN 75962-130**

Provides a complete payroll package that integrates with all the other M*A*S 90 Evolution/2 accounting packages.

M*A*S 90 EVOLUTION/2 PAYROLL can process city, state and local taxes, apply employee earnings and deductions, process tips, calculate both employee and employer taxes and print checks and vouchers, complete with year-to-date earnings and tax information. At the end of the year, W-2 forms can be printed automatically. In addition, extensive information is retained for each employee including employee emergency contact, review date and comments, marital status and tax status, vacation and sick day accruals and year-to-date earnings. All current Federal and State tax calculation tables are included in the system and the vendor offers an annual update for any tax table changes through a subscription service. This package integrates with any other M*A*S 90 Evolution/2 accounting package or will stand alone.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+
Requirements: Printer.

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$795.00

160 PRODUCTIVITY/PROJECT MANAGEMENT

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**ACCPAC PLUS JOB COSTING (VER. 5.1)****ISPN 74700-400**

Provides a cost tracking package that features various reports and analysis of cost, billing and payment information.

ACCPAC PLUS JOB COSTING allows you to enter cost, billing and payment information directly into JOB COSTING or transfer it from other Accpac Plus programs to automatically update your job and accounting records. You can monitor and control costs, measure profitability and prepare bills and job estimates. Combine JOB COSTING with other Plus Series programs to build a fully integrated accounting and management system. Define the level of detail by separating jobs into as many cost components as you need, specifying the cost type (labor, materials, equipment, subcontract, overhead or miscellaneous). Allocate overhead automatically based on labor hours, labor dollars, material dollars or total job cost, or define a phase to enter overhead. Allocate employee benefits automatically as a percentage of labor dollars or as a flat rate per labor hour. Perform automatic adjustment of work-in-process and expense costs by job, phase or category. Specify job contract terms on a fixed rate or cost plus basis. On-screen inquiry

capabilities include up-to-the-minute detailed job/estimate information, plus phase, category, manager, customer and change order data. Maintain a complete audit trail of all transactions from source of entry through posting. Calculate billable amounts automatically based on percent markup of cost or unit price. Includes clearly written tutorials and an instruction manual. Can be run in windows on your screen using ACCPAC Plus Windowing System Manager (ISPAN 74700-090). Provides password protection. Supports CGA, VGA, EGA and Expanded memory. Written in C and Access 'C'. Available in single user and multi-user versions. Technical support available at (408)432-1764. NetWare Aware features: DDh set error mode and 43h set file attributes (shareable) NetWare-specific system calls.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$795.00 |
| <i>Requirements: 132-column printer, hard disk.</i> | | | |

MANZANITA SOFTWARE SYSTEMS

BUSINESS WORKS PC BUNDLE

ISPAN 46859-305

Includes general ledger, accounts receivable, accounts payable and the system manager.

BUSINESS WORKS PC BUNDLE includes General Ledger, a double-entry accounting system that provides up-to-the-minute information about the company's finances. Handles up to 9,998 accounts in the chart of accounts and an unlimited number of journal entries each month. Accounts Payable tracks complete information on each vendor, including month and year-to-date purchases, payments and discounts. Provides check writing, reconciliation and voiding. Accounts Receivable maintains important information about customers, including credit limit and highest balances. System Manager controls all data and provides important system information such as terms, customer notes, passwords and posting details.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$695.00 |
| <i>Requirements: 10MB hard disk, 80-column printer.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$695.00 |
| <i>Requirements: 10MB hard disk, 80-column printer.</i> | | | |

BRODERBUND SOFTWARE, INC.

DTP ADVISOR

ISPAN 08850-200

A HyperCard-based tutorial on design and graphic arts issues and a project management tool with a database calendar and forms.

Gives interactive advice, defines graphic art and print production terms, and includes animated sequences to show what works and doesn't work in a given layout. Users can click buttons to examine different typeface samples, or with another button see a dynamic illustration that clarifies publishing terms like 'leading' and 'kerning'. Comes with a database and simple interactive forms to set up individual files for publishing projects. Users can keep track of schedules, estimates, target audiences and outside resource lists. Includes HyperCard (ISPAN 03900-300).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$79.95 |

SYMANTEC

GRANDVIEW

ISP# 77413-300

Enables letters, memos, lists and action items to be tracked and organized.

Provides information management, viewing of information cross referenced by user-selected categories, outlining and word processing. Complements spreadsheets and databases, which are designed to handle homogeneous, numeric or text data. Supports a 'viewing' dimension which enables users to view data in specified ways. Contains word processing features including style sheets, paragraph formatting, block operations and custom headline labeling. User has control over headers and footers, selective fonts and styles, hard page breaks, and table of contents. Outline View function adds outlining features allowing users to open up to nine outline windows at once and view a variety of headline labels on-screen. Supports wrapping headlines at user-defined margins. Can also be organized using prioritize, headline naming, category sorting functionality, mark and gather, and clipboard operations. Supports schemes including Harvard, Legal, Bullet, Lines connecting levels, and customized labeling. Category permits user to assign outline or word processing information to categories, to be tracked throughout a project. Information can be detailed and is updated automatically.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

128K

\$295.00

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

128K

\$295.00

SOFTWARE PUBLISHING CORP.**HARVARD PROJECT MANAGER II (VER. 3.0)**

ISP# 73300-777

Contains a project planning system including a PERT chart, graphic work breakdown, integrated subprojects and lag task dependencies.

A comprehensive business tool for the planning, scheduling, monitoring and reporting projects effectively. HARVARD PROJECT MANAGER offers Fast Track, a project scheduling tool that lets novice users begin planning a project in just 15 minutes. A work breakdown outline, lets users easily divide a project into its component tasks. Users can choose from five interactive formats for planning projects: Fast Track, Work Breakdown Outline, PERT Chart, Gantt chart, Work Breakdown Structure, or Task List. Additional features include resource calendars that can identify differences in work schedules among resources; templates and batch report printing; scaled graphics reports for both printers and plotters; and the ability to easily import and export task and allocation data. HARVARD PROJECT MANAGER features 26 preformatted reported formats. Text reports are fully customizable. Graphics reports can be printed sideways and output to plotters and laser printers. data can be exported directly to Lotus 1-2-3 (ISP# 45525-050), dBase (ISP# 05500-150) and ASCII file formats. The package can track 100 resources and 2,000 allocations across 75 projects. Resources are automatically managed across all projects in the subdirectory. Replicates real-world planning and resource situations through advanced features such as man-hour and overtime calculations, ASAP (as soon as possible) and ALAP (as late as possible) scheduling and lag relationships.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

512K

\$695.00

Requirements: Hard disk.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

512K

\$695.00

Requirements: Hard disk.

VALOR SOFTWARE CORP.

INFO-XL (VER. 1.02)

ISPN 84725-300

Allows users to manage structured data, freeform text and time related information in an interactive environment.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$295.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$295.00 |

CLARIS CORP.

MACPROJECT II (VER. 2.0)

ISPN 12784-520

Provides project management tools to help plan, manage and present projects of any size.

Designed for project managers, planning consultants, architects, engineers and construction planners who manage projects. Includes the ability to manage an unlimited number of tasks per project. Subprojects can be linked and consolidated with other projects. Multiple resource calendars (unlimited) allow users to customize work calendars according to resource availabilities. Planned and actual task status are displayed in the Schedule Chart, Gantt charts and in the Project Table. Resource Histograms allow planners to graphically display workloads. Provides multiple task relationships (start-to-finish, finish-to-start, and lag time). Displays up to 16 attributes per task. Has extended search capabilities for generating custom reports. Subproject consolidation allows for unlimited number of tasks. Compatible with original MacProject files. Graphics can be exported to MacWrite II, MacDraw II and MacPaint. Data can be exported to other Macintosh, PC and mainframe programs in five file formats. Supports most Hewlett-Packard and Houston Instrument color plotters up to 'E' size. Supports MultiFinder and AppleShare, and is compatible with Apple Laserwriter and Imagewriter printers. Features interactive and automatic resource leveling, cross-project resource analysis, data import and export, and multiple chart views.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$499.00 |

MAINSTAY

MACSCHEDULE

ISPN 46041-560

Creates and revises bar schedule charts. (Gantt)

MACSCHEDULE produces yearly, quarterly, monthly, half-monthly, weekly, daily and free-form schedules up to a maximum of nine years. Allows use of standard start, stop and milestone symbols. Supports multiple layers of 'hidden' information. A hierarchical structure provides additional levels of detail and a task can be linked to a lower level schedule. Files can be exported to programs like Pagemaker (ISPN 02226-700), ReadySetGo! (ISPN 46612-495), and MacDraw (ISPN 12784-500). Uses entire area of large screens. Will print on LaserWriter or ImageWriter printer.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$195.00 |

MICRO PLANNING INT'L.**MICRO PLANNER PLUS (VER. 6.0)****ISPN 50912-550**

Contains critical path (PERT) and powerful resource management capability to help managers finish projects on time and on budget.

Allows user to build the project model on-screen, using a mouse-driven interface, pull-down menus with no commands to memorize, and high-resolution graphics. Uses the Critical Path Method (CPM) to automatically calculate schedule start and deadline dates, and indicate the Critical Path. Has target-seeking capabilities to locate problems before they affect the project. Automatically reflects updated schedule information to show the effects of schedule slippage on deadlines. Compares progress with the original plan to help identify problem areas. The resource management feature automatically spots resource bottlenecks, performs day-by-day resource leveling, and indicates efficiency and effectiveness. Manages several related or unrelated projects simultaneously and allows fixed and variable costs. Produces customized reports by allowing users to select the information desired, compare progress and slippage, preview reports on-screen to save time and paper, choose type size and style and whether it will be printed vertically or horizontally. Optional plotter software supports up to 'E size' plots. Generates reports which include a project diagram, a barchart or Gantt Chart, progress reports, summary reports, a target-seeking report, short term schedules, resource and cost histograms, and a cost report. Makes it possible to exchange files between an IBM Personal Computer and the Macintosh versions of the program. Imports and exports data to spreadsheets such as Microsoft Excel (ISPN 53150-270) and Lotus 1-2-3 (ISPN 45525-050), databases such as dBASE III (ISPN 05500-160) and 4th Dimension (ISPN 90311-200), wordprocessors such as Microsoft Word (ISPN 53150-731) and Word Perfect (ISPN 68012-600). The IBM version supports dot matrix, daisywheel, laser printers, or color pen plotters. The Macintosh version supports dot matrix, LQ, and laser printers. Optional use of the Micro Planner Project Exchange (ISPN 50912-575) for the Macintosh allows users to import smaller projects into larger projects to clone, merge, replicate or delete subprojects. Imports a network created by MacProject (ISPN 12784-520) and converts it into a Micro Planner project. Additional users on the network can be added for \$299.00 per user.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 3.X

3 1/2 and 5 1/4

512K

\$595.00

Requirements: Hard disk, Microsoft Windows (ISPN 53150-735) (Ver. 2.0), mouse, EGA or VGA.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$595.00

Requirements: Two disk drives or hard disk, printer.

MICROSOFT CORP.**MICROSOFT PROJECT (VER. 4.0)****ISPN 53150-725**

Provides project management capabilities including scheduling, monitoring, reporting, data organization and exchange.

MICROSOFT PROJECT offers plotter support allowing the user to produce presentation quality charts. The Learning to Use Microsoft Project program is included which is a 30-lesson, computer-based training program. Offers resource leveling so that the user can resolve resource conflicts and balance workloads automatically. Resource View enables the user to view different screens simultaneously. Allows the user to create models that reflect real-life situations. Resource histograms allow the user to access the workload for

each resource in order to make assignment decisions and adjustments. Scheduling capabilities provide needed flexibility. Start-to-start and finish-to-finish scheduling accurately models the complexities of activity relationships in the real world. Lead/lag scheduling lets the user adjust for special needs. CPM scheduling automatically calculates the project finish data and identifies critical activities. Permits minute-to-months scheduling for complete flexibility in scheduling activities of varying duration. Gantt charts allow the user to view the complete time span in which activities will take place. Network or PERT charts let the user view relationships between activities in accordance with their effect on the schedule. Projects may also be linked to track activity schedules and resource assignments across multiple projects. Reporting features include large plotter support, predefined reports and compressed sideways printing. Contains CBT training, shortcut keys, mouse support and single-keystroke Help commands. Project monitoring features include planned versus actual reports and percent complete. Data organizing features include filtering, sorting, WBS code, resource ID code, wildcard support, network view and 43-line mode. Data exchange features include local area network support, data import and export and Primavera Project Planner linkage.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$495.00 |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

SUPERPROJECT EXPERT (VER. 1.1)

ISPN 74700-427

A comprehensive resource and project management tool for virtually every manager and virtually any project.

SUPERPROJECT EXPERT is applicable for aerospace, government, construction, banking and oil and gas industries. Controls all aspects of a project with proven professional management techniques such as PERT and Gantt with CPM. Allows for intuitive planning with the Outline/Work Breakdown Structure. You can manage resources across multiple projects with resource leveling, prioritize by phase or task and split or smooth resource assignments. Track assignments with multiple Resource Calendars and Resource Histograms. Display best-case, worst-case probability schedules. SUPERPROJECT EXPERT is fully networkable. Use the built-in Graphic Output to print any chart with the ease of macros. Gain complete control of resources and costs with standard and customized reporting options. Supports dot matrix printers, lasers and large pen plotters. Written in C programming language. Available in single user and multi-user versions. Technical support available at (408)432-1764. NetWare Aware features: Connection, Diagnostic, Directory, File Server Environment, Locking, Printing and Semaphore NetWare-specific system calls; NetBIOS Peer-to-Peer communication protocol.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 384K | \$695.00 |

Requirements: Two disk drives or hard disk.

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**SUPERPROJECT EXPERT LANPAK (VER. 1.1)****ISP# 74700-428**

Provides a complete resource and project management tool to plan, track and coordinate complex tasks.

Provides detail costing information including a full range of fixed, variable, total and actual costs for each project, task, resources and assignments. Multi-Project capabilities link several independent projects and subprojects using the same resources. Resource Leveling and Smoothing serve to coordinate resources across tasks that have been given priority, even when the projects are not related. Up to nine Work Breakdown Structure levels are supported and allow for user-specified summarization of up to nine levels with numbers, prefixes, suffixes and text. Defines any level of information with user-defined classification codes (across multiple projects, project levels, subnets and subprojects) in order to summarize or segregate activity schedules, costs and resources into meaningful groups. Tracking of time, resources and costs can be monitored at any point in time. SuperProject Expert allows comparison of actual dates vs. planned, scheduled vs. planned, and Earned Value reporting or Budgeted Cost of Work Performed (BCWP) which calculates percent complete to date against projected task completion costs. A Resource Histogram feature allows users to simulate 'what if' situations to optimize resource usage and view the resource requirements over a user-defined time period. Resource Leveling serves to resolve scheduling conflicts and distribute resources in the most efficient manner. Outline/Spreadsheet oriented project planning allows tasks to be entered in rows and columns with outline style hierarchical summarization and 'roll up.' Through the Outline feature, SUPERPROJECT EXPERT indicates and intuitively resolves scheduling conflicts among tasks and resources across related and even unrelated projects. In addition to As Late As Possible and As Soon As Possible scheduling, SUPERPROJECT EXPERT supports Must Start and Must Finish dates, multiple tasks and time relationships (Finish to Finish, Start to Start, Finish to Start Lag and Negative Finish Delay), customized Gantt chart (for a time-scale view), task status (delayed, in progress or complete), baseline schedule for comparison with current schedules, planned vs. actual task durations on Gantt chart, support of subprojects (with merging and condensing) and PERT probability analysis. Imports and exports dBase III, Lotus 1-2-3, Comma Separated Value (CVA) and Supercalc 4 files formats.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

512K

PRICE

\$695.00

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**SUPERPROJECT PLUS (VER. 3.0)****ISP# 74700-430**

A resource and project management system that manages resources, costs, schedules and budgets over multiple projects.

SUPERPROJECT PLUS incorporates the Pert Chart, a network which shows how tasks are interrelated; the Gantt Chart, which shows tasks on a time based scale; and the Critical Path Method to determine project duration. SUPERPROJECT PLUS supports resource leveling, which automatically resolves conflicts, and resource specific calendars for scheduling. Also supports multiple projects, custom reporting, and plotter output. Interfaces with SuperCalc.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

320K

PRICE

\$395.00

*Requirements: Plotter or dot-matrix printer.***SYMANTEC****TIME LINE (VER. 3.0)****ISPN 77413-420**

A management tool that allows users to schedule the tasks and resources needed for a project.

Contains an Outline Structure, which is used to organize schedules in outline fashion. This allows users to start with broad topics and add more detail as specifics are known. With simple keystrokes, levels of the outline can be opened or closed to reveal or hide detailed information. The Outline facilitates preparation of summary-level reports for executive review or detailed reports for staff. Outlining is an ideal tool for users responsible for multiple projects using shared resources. It allows them to build a master schedule containing all of their projects and allows for Automatic Resource Leveling across multiple projects. The PERT Chart is a graphic illustration of a project, showing its tasks and dependencies and helping users analyze the logic of their projects. The PERT Chart shows the project hierarchy (outline) as a nested groups of boxes. It is interactive so users can open or close summary tasks, change dependencies or add/edit tasks directly from the PERT Chart. To navigate around the PERT Chart, users can toggle between two user-defined layouts--an expanded layout to zoom in on task specifics or a compressed layout to see more of the project. Users can organize their thoughts and make context-free notes with the Journal feature, storing project-wide notes in an Outline fashion. Or, using the expanded Notes feature, they can attach up to four screens of text to individual tasks or resources to remind themselves of important project details. User-Defined Layouts allow users to customize Gantt Charts for their particular needs. Enables users to create reports that include up to 16 columns of information, chosen from over 60 different fields of data and selected from a Layout List users create. To see a highlighted Critical Path, or a specific person's tasks, the enhanced Filtering feature allows a user to select from up to four different filters simultaneously, based on the specialized criteria he defines. One select filter and three highlight filters are available, using three different colors. Baseline tracking allows users to save their original plan(Baseline) and compare it against the actual schedule to see work accomplished, resource effort expended, and funds spent or remaining. Producing an Actual vs. Plan Gantt using Baseline information creates a tool for pinpointing problem areas before they jeopardize the entire schedule. Using Percent Complete, a quick look at the project's Gantt Chart visually shows each task's progress toward completion. Improved Cost Reporting includes earned value analysis report formats designed to support the C/SSR government reporting requirements--vital to government, aerospace and defense customers. Strategies can be explored and extensively tested with the Undo/Redo feature. Users can record up to 999 steps to test out a variety of 'what if' scenarios, then reverse all or some of the changes until the best solution is reached. Resource-Driven Scheduling calculates task duration based on the number of resources that are assigned. For deadlines that absolutely cannot slip, users can add additional resources and shorten tasks to recover lost time. Up to five on-screen Resource Histograms can be viewed simultaneously with TIME LINE. As resource assignments change on the Gantt Chart, they are immediately reflected in the histograms. This program uses virtual memory. When schedules are too large to fit in 640K of RAM, TIME LINE automatically writes to the fastest available memory: EMS (Extended Memory) board, RAM disk or hard disk storage. Use of EMS allows users to manage schedules of up to 1600 tasks.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk, printer.</i> | 3 1/2-inch disk | 640K | \$595.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk, printer.</i> | 5 1/4-inch disk | 640K | \$595.00 |

162 PRODUCTIVITY/PURCHASING/INVENTORY

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC BPI INVENTORY CONTROL (VER. 2.1)

ISPN 74700-725

Helps you manage and control inventory in the key areas of purchasing, operations and sales management.

ACCPAC BPI INVENTORY CONTROL enables users to maintain as many inventory items as disk capacity allows. Spotlights fast moving items, detects shortages, suggests reorders and produces and tracks purchase orders. Handles up to nine locations, global price changes and allows alphanumeric part numbers of up to 20 characters. Provides sales history and analysis of sales and margin performance. Offers 'suggested action' strategies including item reordering, slow moving items and stock balancing between locations. Supports LIFO, FIFO and average cost inventory costing methods. Additional features include pull-down menus, instant data look-up and select, a built-in chart of accounts that can be easily modified, full-screen editing, on-line context sensitive help and operation/application switching. Produces over 60 standard reports and schedules. Written in Pascal. ACCPAC BPI Accounting LanPak (ISPN 74700-705) is required for multi-user capabilities. Technical support available at (408)432-1764.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 512K | \$395.00 |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC PLUS INVENTORY CONTROL/ANALYSIS (VER. 5.1)

ISPN 74700-140

Automates the preparation of perpetual inventory records, inventory status analyses, out-of-stock reports and gross margin analyses.

ACCPAC PLUS INVENTORY CONTROL/ANALYSIS also automates the preparation of current inventory valuations. Features user-tailored inventory item numbers up to 16 characters. For reporting and costing purposes, up to 999 inventory classifications or departments can be specified. Offers user-selectable components in inventory records for optimal disk utilization. Automatic inventory and sales order tracking is handled through the order entry system. Inventory valuations can be made using FIFO, LIFO, weighted-average or specific identification costing methods for profitability analysis, accounting and reporting purposes. Integrates with other modules in the ACCPAC Plus series. Can be run in windows on your screen using ACCPAC Plus Windowing System Manager (ISPN 74700-090). Written in C and Access 'C'. Available in single user

and multi-user versions. Supports CGA, VGA, EGA and Expanded memory. Technical support at (408)432-1764. NetWare Aware features: DDh set error mode and 43h set file attributes(shareable) NetWare-specific system calls.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2 and 5 1/4 | 512K | \$795.00 |

Requirements: Hard disk, 132-column printer.

LAYERED, INC.

INSIGHT EXPERT INVENTORY (VER. 1.0)

ISPN 43760-655

Manages inventory control with movement tracking, flexible valuation methods, reorder capabilities and physical count control.

INSIGHT EXPERT INVENTORY is a perpetual inventory system. FIFO, LIFO and average cost methods are allowed simultaneously and are assigned individually at the item level. Item movement cards detail each layer of product received and sold. The application allows multiple warehouses, product line tracking and warehouse transfers. Integrates with Accounts Receivable for automatic withdrawal of stock during invoicing and fully integrates with General Ledger. Items are tracked in stocking units and converted to selling units for efficient invoicing. Up to five decimal places are allowed for numbers of units, cost price and selling price. Reports provide inventory valuation, stock status including re-order points and inventory trial balance by general ledger account. Expert Reports graphically identify slow moving items and historical trends.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$695.00 |

Requirements: Two 800K disk drives or hard disk.

166 PRODUCTIVITY/SPREADSHEET SUPPORT

INDIVIDUAL SOFTWARE, INC.

101 MACROS PLUS-FOR LOTUS 1-2-3

ISPN 37275-020

Provides 101 prewritten, ready-to-run, all-purpose macros to enhance the operation of Lotus 1-2-3.

101 MACROS PLUS-FOR LOTUS 1-2-3 is designed for Lotus 1-2-3 (ISPN 45525-050) users. Includes macros to add pop-up utilities, create special graphics and slideshow presentations, provide menu-driven financial formulas and math functions, add search-and-replace, recalculate spreadsheets by range, plus 95 productivity tools and keystroke savers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$69.95 |

Requirements: Lotus 1-2-3 (ISPN 45525-050).

PERSONICS CORP.

@BASE FOR 1-2-3

ISPN 60679-001

A database manager designed for Lotus users. It has the power of stand-alone database programs, but operates inside 1-2-3.

@BASE FOR 1-2-3 is a true database manager with all the tools you need to build and maintain disk-based applications. Your spreadsheet gives you tools for data analysis while @BASE FOR 1-2-3 gives you enormous data capacity. With @BASE you can: Build powerful database applications from scratch using familiar Lotus-like commands and menus; move any on-sheet database to disk where it has room to grow; access, analyze and update existing dBASE files. Uses exactly the same file format as dBASE III Plus so you can use your spreadsheet as a 'front-end' for dBASE applications. No file conversion is necessary. @BASE is a true database manager with all the tools you need to build and maintain disk-based applications. @BASE features concurrent access of multiple data files. Occupies less than 80K RAM. Has powerful query/selection commands, marks records for deletion, copy, append records and more.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Lotus 1-2-3 (Ver. 2, 2.01 or 2.2).</i> | 5 1/4-inch disk | 256K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Lotus 1-2-3 (Ver. 2, 2.01 or 2.2).</i> | 3 1/2-inch disk | 256K | \$195.00 |

PERSONICS CORP.

@BASE FOR SYMPHONY

ISPN 60679-002

A database manager designed for Lotus users. It has the power of stand-alone database programs, but operates inside Symphony.

@BASE FOR SYMPHONY is a true database manager with all the tools you need to build and maintain disk-based applications. Your spreadsheet gives you tools for data analysis while @BASE FOR SYMPHONY gives you enormous data capacity. With @BASE you can: Build powerful database applications from scratch using familiar Lotus-like commands and menus; move any on-sheet database to disk where it has room to grow; access, analyze and update existing dBASE files. Uses exactly the same file format as dBASE III Plus so you can use your spreadsheet as a 'front-end' for dBASE applications. No file conversion is necessary. @BASE is a true database manager with all the tools you need to build and maintain disk-based applications.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Symphony (Ver. 1.1, 1.2 or 2.0).</i> | 5 1/4-inch disk | 256K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Symphony (Ver. 1.1, 1.2 or 2.0).</i> | 3 1/2-inch disk | 256K | \$195.00 |

FUNK SOFTWARE, INC.

ALLWAYS

ISPN 31671-100

Enables you to make professional-quality printouts directly from Lotus 1-2-3.

ALLWAYS gives you a wide range of formatting and printing options, and offers WYSIWYG (What You See Is What You Get) display. You can use up to eight typefonts on any printout and apply them cell by cell, or throughout ranges. You can also add emphasis with bold or underline, highlight important information with light or dark shade, add drama with solid black, incorporate Lotus 1-2-3 (ISP# 45525-050) graphs into any spreadsheet printout, adjust the height or width of a column, draw vertical and horizontal lines along any cell border, enclose data in boxes, and outline entire ranges. Performs with all kinds of PCs and with all kinds of displays. If you have a graphics monitor, you'll have the benefit of the ALLWAYS WYSIWYG display - but if you don't, you can use all the features of ALLWAYS on a text-only monitor. Works with dot-matrix and laser printers. If you use an HP LaserJet Plus or Series II, you'll get extensive font cartridge support, plus a full complement of downloadable fonts in sizes from 5 to 24 point. ALLWAYS runs inside Lotus 1-2-3 so you can create worksheets in 1-2-3 as always, then pop into ALLWAYS to make enhancements.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$149.95 |
| <i>Requirements: Hard disk, printer, Lotus 1-2-3 (Ver. 2.0 or 2.01) (ISP# 45525-050).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$149.95 |
| <i>Requirements: Hard disk, printer, Lotus 1-2-3 (Ver. 2.0 or 2.01) (ISP# 45525-050).</i> | | | |

FUNK SOFTWARE, INC.

ALLWAYS FOR SYMPHONY

ISP# 31671-110

Enables you to make professional-quality printouts directly from Symphony.

ALLWAYS FOR SYMPHONY gives you a wide range of formatting and printing options. You can use up to eight typefonts on any printout and apply them cell by cell or throughout ranges. You can also add emphasis with bold or underline, highlight important information with light or dark shade, add drama with solid black, incorporate Symphony (ISP# 45525-200) graphs into any spreadsheet printout, adjust the height or width of a column, draw vertical and horizontal lines along any cell border, enclose data in boxes and outline entire ranges. Performs with all kinds of PCs and with all kinds of displays. If you use a graphics monitor, you'll have the benefit of a WYSIWYG display - but if you don't, you can use all the features of ALLWAYS on a text-only monitor. Works with dot-matrix and laser printers. If using an HP LaserJet Plus or Series II, you'll receive extensive font cartridge support, plus a full complement of downloadable fonts in sizes from 5 to 24 point. ALLWAYS runs inside Symphony so you can create worksheets in Symphony as always, then pop into ALLWAYS to make enhancements.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$149.95 |
| <i>Requirements: Hard disk, printer, Symphony (Ver. 1.01, 1.02 or 2.0) (ISP# 45525-200).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$149.95 |
| <i>Requirements: Hard disk, printer, Symphony (Ver. 1.01, 1.02 or 2.0) (ISP# 45525-200).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 384K | \$149.95 |
| <i>Requirements: Hard disk, printer, Symphony (Ver. 1.01, 1.02 or 2.0) (ISP# 45525-200).</i> | | | |

SYMANTEC**BUDGET EXPRESS (THE) (VER. 1.0)****ISPN 77413-101**

Allows faster and easier plans, budgets and forecasts with Lotus 1-2-3.

THE BUDGET EXPRESS tailors Lotus 1-2-3 (ISPN 45525-050) for financial applications. Introduces outlining to spreadsheets. With a single key you can collapse rows and columns to get a 'big picture' overview of your worksheet. Rows can collapse to display just subtotals and columns to display just quarters. Automatically creates column headers for months, totals and quarterly and annual summaries. You can also select common functions such as totals, percent change and running totals right from a menu. And special keystrokes help you navigate through your spreadsheet quickly. The goal tracking scoreboard shows your current and target values as you make changes to reach your goal. Simplifies combining worksheets by matching rows and columns, by label or locations or by following a specification that you create interactively. Save hidden detail from your worksheet to disk, freeing up memory for the rest of your worksheet.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 64K | \$149.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 64K | \$149.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050).</i> | | | |

SYMANTEC**CAMBRIDGE SPREADSHEET ANALYST (VER. 2.5)****ISPN 77413-105**

Performs complete error-checking/auditing system for Lotus 1-2-3 and for Symphony.

Full featured product for analyzing and adjusting spreadsheets. Works on spreadsheets in much the same way spelling checkers work on word processing documents. Includes three utilities: The Analyst, the Spreadsheet Comparator and the Macro Analyzer. The Analyst zeros in on spreadsheet errors. Allows the user to view the spreadsheet and its potential errors in ways that eliminate any confusion about workings or directions. The Comparator finds and documents all differences between spreadsheets. The Macro Analyzer helps examine macros or get a macro overview.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 70K | \$149.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050).</i> | | | |

GOLDATA COMPUTER SERVICES, INC.**DATA ADDITION, VERIFICATION AND EDITING-D.A.V.E.****ISPN 33175-210**

Allows simple data entry for Lotus 1-2-3 through customized forms.

DATA ADDITION, VERIFICATION AND EDITING-D.A.V.E. contains a Lotus 1-2-3 (ISPN 45525-050) add-in that allows the user to enter data into a worksheet using a customized form while Lotus 1-2-3 is running. Enables the user to edit existing data, detect duplicate entries and check entries against ASCII files, all without leaving Lotus

1-2-3. Existing worksheet data can be viewed on-screen or printed out in a format custom-designed by the user.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$99.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050).</i> | | | |

PERSONICS CORP.

LOOK & LINK FOR 1-2-3 (RELEASE 3)

ISPN 60679-400

Lets you build true multi-sheet applications in 1-2-3. Provides dynamic linking and consolidation and a dual-sheet display.

With LOOK & LINK FOR 1-2-3, any worksheet can pull values out of other worksheets on disk or in expanded memory. There is no limit to the number of linked sheets. Linked values flow-in automatically when you load or recalculate. Supports automatic chained linking so you can deal with multiple sheets that have hierarchical dependencies. Linking is accomplished with special @wks functions that retrieve and summarize information from other worksheets. Gives you the ability to load entire worksheets or partial worksheets into memory where they can be accessed more quickly. Loading is optional. LOOK & LINK's dual-sheet display makes setting up links especially easy. Brings the source worksheet into one window and the destination worksheet into the other. Now, you can see both worksheets on screen and know where linked values come from and where they end up. At any time while using 1-2-3 you can press a key to bring a second worksheet into a special pop-up window. The window lets you see any worksheet stored on disk, even SQZ! files. You can scroll up, down, left or right, move and resize the window, even cut-and-paste between windows. The pop-up window is handy any time you want to look at one worksheet while using another. LOOK & LINK also does worksheet consolidations. You can produce an annual report or produce a national consolidation.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$99.95 |
| <i>Requirements: Lotus 1-2-3 (Ver. 2.0, 2.01 or 2.2).</i> | | | |

SYMANTEC

NOTE-IT PLUS

ISPN 77413-475

A documentation accessory to assist the user in remembering what assumptions went into a certain number or figure.

This system is designed to assist the user in saving time and help him/her work more efficiently, accurately, and professionally. It will help in two major ways: One-with 'Cell-Notes'. These are pop-up notes that can be attached to up to 100 spreadsheet cells to explain their contents. They are reminders to the user and vital documentation for others. Two-with 'File-Notes'. Attach a pop-up note to the name of a spreadsheet, database or printer file to identify the file's contents. No more will you have to load a spreadsheet just to see what it contains. NOTE-IT is an on-line help or tutorial system.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 70K | \$79.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050).</i> | | | |

SOFTWARE PUBLISHING CORP.**PFS-FIRST CHOICE (VER. 3.01)****ISPN 73300-250**

Combines word processing, spreadsheet, file management, communications and graphics communications.

The Word Processor includes: A built-in 75,000 word dictionary; mail merge using information from the file manager; mixed single and double spacing on the same page; supports bold, underline, italics, superscript and subscript, or any combination; find and replace words and phrases using exact or partial word match; merge other documents, spreadsheets or reports on screen, or join graphs together when printing; supports micro justification and right justified text. The File Manager consists of: 'Elastic' forms that expand to accommodate longer than anticipated information; flexible form design that can be changed at any time without retyping information; comprehensive search instructions that use exact or partial word matches; alphabetic or numeric ranges; full editing capabilities support multi-line text with automatic word wrap and spell checker with built-in dictionary; produces mailing labels and tabular reports showing totals, subtotals, averages, subaverages, counts and subcounts. The Spreadsheet has: Quick entry key to automatically create frequently-used row and column headings and duplicate cell entries; a 'formula box' displays formula and information at the same time; financial functions include future value, present value, net present value, payment and interest; statistical functions include total, average, count, minimum, maximum, standard deviation and variance; mathematical functions include square root, rounding, absolute value, tangent, cosine, sine, arc tangent, arc cosine, arc sine, log (base 10); logical functions include If/Then/Else/, table Look-up, =, <,>, <=, >= and <>. Electronic Communication allows you to send and receive First Choice files, ASCII files, and binary files. Permits automatic dialing on any touch tone or rotary phone and permits macros to connect automatically to services on the service menu. Word processing capabilities allow on-line editing of information that has been received. Has expandable, customizable main menu, disk utilities and macros.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$159.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$159.00 |

PERSONICS CORP.**SEEMORE FOR 1-2-3 (VER. 2.0)****ISPN 60679-700**

A window manager that lets you create an unlimited number of tiled or overlapping windows in any worksheet, including multiple graph.

SEEMORE FOR 1-2-3 lets you see more rows and columns on screen. You get a choice of compressed fonts that double, triple or quadruple the number of cells displayed. Zoom in or out with the push of a key. SEEMORE FOR 1-2-3 lets you build a 12-month forecast without constantly scrolling left and right. All 12 months appear on the screen. Immediately, you become more productive. Then, something else happens - you become more perceptive. Trends and relationships become clear. All windows remain active as you enter and edit data. Build a macro in one window while monitoring its operation in another. Change cell values and watch graphs update automatically. You can easily change the size and position of any window and set 'restrict ranges' to limit cursor movement and insert/delete operations within individual windows. With restrict ranges, each window can be configured to behave like an independent worksheet.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$99.95 |
| <i>Requirements: Lotus 1-2-3 (Ver. 2.0, 2.01 or 2.2).</i> | | | |

FUNK SOFTWARE, INC.

SIDEWAYS (VER. 3.2)

ISPN 31671-675

Provides printing at a 90 degree angle to the paper for printing of spreadsheets or for other applications needing extra width.

SIDEWAYS has a TEXT FILES system that can be used to print any text file from virtually any spreadsheet, word processing, or scheduling program. Allows the user to print directly from a 1-2-3 worksheet(.WKS or .WK1) file, without having to create a print file first. Can read the 1-2-3 worksheet file format directly, so the user can retrieve a worksheet, display it on the screen, select printing options, 'paint' a range, and print- all LOTUS-like menus. Additional features include print borders at the top, bottom, or left of each page, mix bold, expanded, and underlined type on the same printout, and choose whether to skip over or print through paper perforations. It also has a SYMPHONY system that is an 'add-in application', directly from the SYMPHONY command menus. The formatting and printing features are available directly from the menu, to print whatever worksheet is currently loaded in memory. Able to print IBM's 'Extended ASCII' character set, which includes foreign language and line-drawing characters. It can respond to printer control codes embedded within a document to create bold, underlined, and expanded type. There are nine fonts, ranging in size from 'miniscule' to 'mammoth'. There are also infinitely variable options for adjusting margins, print density, character spacing, line spacing, and page size. Comes with an instruction manual, which contains detailed and easy-to-follow chapters. Specific instructions for using the program with popular packages like Framework(ISPN 05500-176), Multiplan(ISPN 35087-400), Dbase(ISPN 05500-160), Microsoft Word(ISPN 53150-731), Multimate(ISPN 74137-100), and Timeline(ISPN 56337-240). Operates by rotating text 90 degrees as it prints, producing documents as wide as needed, on one continuous form. Supports most popular dot matrix printers, including the IBM Graphics, Color, and Proprinter, Epson's MX/RX/FX series, LQ800 and LQ1500, the IDS Prism, Okidata's Microline and Pacemark series, the C. Itoh Prowriter, the printronix MVP 150B, the TI 850 and 855, Mannesmann Tally's Spirit, 160, and 180, the NEC 8023, the Hewlett-Packard Thinkjet, and LaserJet Plus Series II, Toshiba's P1340, P1350, P1351 and P321/341/351, Printek's 900 series, and Panasonic KXP series. Supports color printers, but does not print in color.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$69.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$69.95 |

SYMANTEC

SPELLIN!

ISPN 77413-505

Checks spelling in Lotus 1-2-3 and Symphony spreadsheets. Contains a 90,000 word dictionary with an auto-replace feature.

Allows users to check a particular cell, a range of cells or an entire spreadsheet. When the program finds incorrect spelling in the spreadsheet, a list of similar alternative words is generated so the user can select the correct word. To make a correction, user can

either choose alternative wording or have program automatically correct spelling or edit the wrong word. Utilizes British or English dictionary, each containing up to 90,000 words. Allows creation of customized dictionary for specific professions such as medical, legal or business.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 120K | \$79.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050).</i> | | | |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

SPREADSHEET AUDITOR FOR LOTUS 1-2-3

ISPN 74700-250

An add-in package that tests spreadsheet accuracy and integrity with diagnostics to check for over 20 potential error conditions.

Tests for existing errors and potential problems, then identifies the results both on-screen and through reports. Supports different views of the spreadsheet. Map view displays an overview that condenses spreadsheets into basic elements, indicated by unique user-defined symbols. Pattern Match allows user to spot inconsistencies at a glance. Formula view adjusts column width so formulas don't wrap around to the next line. Windowing allows user to compare two different areas, or two different views of the same area. Includes relationship analysis to show spreadsheet relationship and development, indicating how a change may affect other areas of the spreadsheet and traces cells that contribute to a specific formula and cells that use a formula. Alerts user to overlapping, unused and reversed ranges, ranges with multiple names and ranges outside the active spreadsheet. Includes Macro Analyzer to list macro commands, names, cell address, trace macro logic and analyze macro menus. Provides a Locator to highlight specified spreadsheet elements. Includes Cell Noter that lets users attach pop-up notes to any cell and enables user to flag errors diagnosed by the Auditor and comment figures, formulas and other entries. Provides an Instant Status Check to detail all the cells that a particular cell refers to, and all the cells that refer to it and provides spreadsheet information such as filename, available memory and number of cells. Report function generates customizable reports, prints cell notes, diagnostic reports, the map and formula view of a spreadsheet, and reports on cross-references, macros and circular references.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$99.00 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050), two disk drives or one disk drive and a hard disk.</i> | | | |

SYMANTEC

SQZ! PLUS

ISPN 77413-500

Automatically compresses and expands Lotus 1-2-3 data files.

SQZ! is a collection of Add-In's for handling Lotus spreadsheets. Automatically and transparently compresses worksheets by up to 95 percent when saving files to disk, retrieved file returns to original size in RAM. Includes a recovery utility that helps recover files damaged by defective media or during communication transmission. Allows for backing up files on hard disk from within 1-2-3 with a familiar 1-2-3 style interface, recording keystrokes to help build macros or act as an UNDO, and a file history tracking feature gives information on file creation and use. Not copy-protected.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

32K

\$99.95

Requirements: Lotus 1-2-3 (ISPN 45525-050), Symphony (ISPN 45525-200) or VP Planner (ISPN 59721-950).

BEAGLE BROTHERS**TIMEOUT SIDESPREAD****ISPN 07162-520**

Prints wide spreadsheets sideways from inside Appleworks. Offers a variety of fonts, sizes and print qualities.

TIMEOUT SIDESPREAD pops up inside AppleWorks (ISPN 12784-100). Rotates text ninety degrees. Allows the user to choose all or any portion of the file to be printed. Supports AppleWorks Open-Apple-O options and works on most dot-matrix printers. Lets the user print in high quality mode or in a 50 percent reduction mode.

SYSTEM**MEDIUM****MEMORY****PRICE**

APPLE II, II +, IIC, IIE, IIGS

3 1/2 and 5 1/4

128K

\$49.95

Requirements: AppleWorks (ISPN 12784-100).

BEAGLE BROTHERS**TIMEOUT SPREADTOOLS****ISPN 07162-393**

Contains several features designed especially for AppleWorks' spreadsheet, including auto-zoom and cross reference.

TIMEOUT SPREADTOOLS integrates with AppleWorks (Ver. 2.0 or higher) (ISPN 12784-100). Auto-Zoom lets you zoom in to see or print entire cell formulas. Column widths are auto-adjusted as necessary. Bird's Eye View displays your spreadsheets 76 columns at a time, with each cell represented by a symbol indicating blank cell, label cell, value cell or formula cell. Block Copy lets you copy blocks of data. Works within a spreadsheet or to and from the Clipboard. Cellink lets you import or 'link' spreadsheet cell values from other files on the Desktop or disk. Cross Reference lists all cells that are referenced by other cells. References within a range are listed too. Error Analyzer scans spreadsheets for errors. Formula/Value Switcher converts a block of cells from formula cells into value cells. Quick-Widths lets you type in column widths as a number instead of using the Apple arrow method. Row/Column Converter converts a row of spreadsheet cells into a column of cells, or vice versa.

SYSTEM**MEDIUM****MEMORY****PRICE**

APPLE IIC, IIE, IIGS

3 1/2 and 5 1/4

128K

\$59.95

Requirements: AppleWorks (Ver. 2.0 or higher) (ISPN 12784-100).

FUNK SOFTWARE, INC.**WORKSHEET UTILITIES (THE) (VER. 1.0)****ISPN 31671-850**

A collection of power adding tools for Lotus 1-2-3.

WORKSHEET UTILITIES comes with two modules accessible directly from Lotus 1-2-3 (ISPN 45525-050). The first is Cellworks, which offers five useful tools for easing spreadsheet chores. Search and replace quickly changes labels, values, formulas and

functions, cell by cell or throughout ranges. The formula editor is a powerful editing and debugging tool. It displays the entire formula, calculates the formula step by step, and offers pull-down lists of functions. Print settings allows you to see all your margins, headers, footers and other options on a single display. Autosave periodically backs up your work at timed intervals to save you from accidental power outages or erasures. The second module is Fileworks. Fileworks allows you to save and retrieve worksheets from a point-and-shoot menu, display complete information about each file, catalog your files, archive them, search for labels or ranges, peek at files without retrieving them and compress them to save disk space.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 85K | \$99.95 |
| <i>Requirements: Lotus 1-2-3 (Ver. 2.01 or 2.2) (ISPN 45525-050).</i> | | | |

LUNDEEN AND ASSOCIATES

WORKSPLUS COMMAND (VER. 2.0A1)

ISPN 45593-700

Provides macro-recording and programming capabilities for Microsoft Works.

The macro language includes full structured macro programming language, including procedures, variables, if-then-else statements, do-until loops, while loops, arrays and more. Provides fast editing, compilation, and execution of macro programs. Has a built-in dialog editor and gives access to all Works document data. Provides library of over 100 functions for sorting, searching, parsing and more. All spreadsheet or database functions can be used directly in the macros. Version 2.0 has a user's manual and a programmer's manual

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$149.95 |
| <i>Requirements: Hard disk, Microsoft Works (ISPN 53150-740).</i> | | | |

169 PRODUCTIVITY/SPREADSHEETS

BERKELEY SOFTWAREWORKS

GEOCALC

ISPN 07440-305

A graphics-based spreadsheet for use with the GEOS program, with capabilities for budgeting, financial planning and cost estimating.

GEOCALC provides a 'point and click' graphic interface and performs fast, intelligent recalculations. Can utilize a spreadsheet with over 28,000 data cells. Provides a variety of type styles, number formats, and split screen capabilities. The Apple version imports and exports AppleWorks files. The minimal recalc feature means you don't have to wait while unnecessary calculations are performed. When you make a change, GEOCALC only recalculates those cells whose values depend on the cell you changed. Supports over 45 mathematical functions including all the major arithmetic, trigonometric, financial, and boolean operators. Create up to 64 user-defined functions for specialized calculations. All GEOCALC values are calculated to 16 decimal places. Use circular references for iterative functions that converge upon unknown values. Has a data

security feature that protects against data loss in the event of a power-outage or other mishap. GEOCALC intelligently rebuilds the data from an improperly closed file. Supports labeled cells, frozen titles, and split windows. Provides extensive searching and sorting capabilities as well as spreadsheet password-protection. Can print any range of spreadsheet cells in both a normal and 'sideways' mode, with or without headers or grid lines. Includes the geoChart graphing application. Use geoChart to create bar charts, line graphs, pie charts, and scatter plots. Use the cut and paste facilities to incorporate your charts and graphs in geoWrite, geoPaint and geoPublish documents. GEOCALC is a stand-alone product. You do not need to own GEOS to use GEOCALC, but GEOCALC is fully compatible with the GEOS environment. GEOCALC includes the GEOS Kernal, the graphical deskTop file manager, fonts, desk accessories, and a variety of utilities for using the GEOS environment.

SYSTEM

APPLE II +, IIC, IIE, IIGS

*Requirements: Mouse or joystick.***MEDIUM**

5 1/4-inch disk

MEMORY

128K

PRICE

\$69.95

JAVELIN PRODUCTS GROUP/INFORMATION RESOURCES, INC.**JAVELIN PLUS****ISPN 41471-300**

A modeling system that maintains visual diagrams of the logic and formulas.

JAVELIN PLUS enables you to evaluate information from ten different perspectives. Along with a built-in understanding of time, this program has self-documentation that maintains visual diagrams of the logic and formulas behind numbers. JAVELIN'S central information base allows you to enter data only once. It also allows you to view it from ten different perspectives, including worksheets, tables, diagrams, graphs, formulas and more. Generate reports, produce graphs, work with numbers change data, make plans, test assumptions, communicate results and create presentations. Takes advantages of special features when using IBM color, monochrome, and enhanced graphics adapters, Hercules graphics card, variety of printers and plotters, 8087 and 80287 math co-processors, and Intel expanded memory specification.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$395.00

LOTUS DEVELOPMENT CORP.**LOTUS 1-2-3 (RELEASE 2.2)****ISPN 45525-401**

An enhanced version of the industry-standard 1-2-3 (Release 2.01), designed for PC users working within the 640K DOS environment.

LOTUS 1-2-3 allows user to access and reference data from worksheet files, located on disk, in the current worksheet. This linking capability makes it possible to build larger applications with only a single file in memory. Undo is an error correction mechanism that allows users to reverse changes made to the worksheet since LOTUS 1-2-3 was last in ready mode. Spreadsheet security has been enhanced to allow automatic creation of backup copies of a worksheet. Eight new setting sheets have been built into LOTUS 1-2-3, to make it easier for users to make and track changes. They includes: Global defaults, printing, parse, sort, regression, query, worksheet status and graph setting sheets. Settings sheets reveal, in a single panel, all the underlying options at work in a given area of the spreadsheet. Graph options: Pie charts, exploded pie charts, bar graphs,

stacked bar graphs, line graphs, scatter plots, scatter plots with discrete and continuous variables.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 320K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 320K | \$495.00 |

LOTUS DEVELOPMENT CORP.

LOTUS 1-2-3 (RELEASE 3.0)

ISPN 45525-400

An advanced spreadsheet that integrates 3-D worksheets, business graphics and a database with relational capabilities.

LOTUS 1-2-3 provides relational data management capabilities and direct access to external databases from within the spreadsheet. It enables corporate and independent developers to create enhanced applications for and customized extensions to the spreadsheet. Includes better graphics, presentation-quality output and support for local area networks. Designed for user of 80286 and 80386 PCs and will support both DOS and OS/2 in the same package. The 3-D worksheet environment enables users to better organize and analyze data. Multiple files in memory allows users to easily move, copy data or create links between files. Link formulas with files on disk as well as those in memory. Automatically updates linked files to reflect changes. If the linked files are not active in memory, LOTUS 1-2-3 will update the files upon user request, or the next time they are read into memory. Larger working space, with the working area increased to 256 worksheets per file, each containing 256 columns by 8,192 rows. Includes graph types including mixed bar and line graphs, high-low-close-open charts and horizontal, stacked, area and 100 percent scaling features; over 200 combinations. Allows you to create formulas that link files on disk or in memory. Linked files can be updated to reflect changes in worksheet and files.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 1024K | \$595.00 |
| <i>Requirements: 80286 or 80386 based system.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 1024K | \$595.00 |
| <i>Requirements: 80286 or 80386 based system.</i> | | | |

LOTUS DEVELOPMENT CORP.

LOTUS 1-2-3 NETWORKER

ISPN 45525-055

A network version of Lotus 1-2-3 which combines three analytical functions (spreadsheet, graphics and databases) into one package.

LOTUS 1-2-3 NETWORKER includes licenses for five concurrent users of Lotus 1-2-3. Additional licenses may be added to support unlimited additional network users. Additional functionality is included to support file locking through the network file add-in. Spreadsheet functions include: 8,192 rows x 256 columns; ten cell format options; variable column widths; string manipulation; protected cells; hidden cells and columns; move or copy cells or ranges; range transposition; insert or delete columns or rows; extract and consolidate data; regression analysis; matrix inversion and multiplication; circular reference address; global zero suppression; and printout control. Database features up to 8,101 records and 256 fields, two-level sorting and query which allows wild-card parameters, up to 32 search criteria. Graphics functions include: Seven graph options (line, X-Y, scatter, pie, exploding pie, bar and stacked bar); instant creating for

'What-if' analysis; and printer and plotter control. Compatible with over 50 popular printers and plotters. Offers the following additional features: Flexible keyboard macros for automating repetitive tasks; advanced macro commands for creating customized applications; address up to 4MB of expanded memory; password protection of data; embedded print set-up strings; and direct access to DOS and subdirectories. Supports mouse, EGA, VGA, Lotus/Microsoft/Intel Expanded Memory Specification (EMS). This multi-user program includes manuals and licenses for five users and file locking. For technical support call (617)253-9150.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$2475.00 |

DACEASY, INC.

LUCID 3-D

ISPN 22137-475

A full featured 3-D spreadsheet with graphics capabilities.

Permits any cell of a worksheet to contain another complete spreadsheet that the user can access with one keystroke. Handles documents of up to eight pages. Notes, memos, or letters can be saved and printed. Up to nine windows can be open on the screen at one time. Each window could contain different spreadsheets or more than one window could contain different views of the same spreadsheet. The windows can be resized, moved around, overlapped and zoomed. Designed for the mouse, but can be operated with the keyboard. Contains a feature called the clipboard that is a temporary holding place for any information the user wants to move within the spreadsheet. Widths of a column or a range of columns can be adjusted. Sort feature enables the user to sort any rectangular range of cells by row or by column. Has 51 built-in functions in addition to the standard math and logical operators. These include statistical, basic, scientific and business functions. Also has user-defined functions, such as single word function names. Has an autosave feature that backs up the spreadsheet by saving it to the disk at regular intervals. The user decides how long to leave between backups, in minutes. Provides a find and replace function key command which enables the user to find a word or number anywhere in the spreadsheet, including in the notes. Allows user to search for formulas. Includes a manual. Provides a special menu when a cell is edited or new information is typed into a cell. The edit menu can designate any cell as absolute as opposed to relative.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 347K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 347K | \$99.95 |

MICROSOFT CORP.

MICROSOFT CHART (VER. 3.0)

ISPN 53150-249

Provides advanced, full-color support for high-end output devices, including the latest plotters, film recorders and color printers.

Offers variable 3-D graphic formatting with eight basic chart types, including area, bar, column, hi-lo, pie, line, scatter and mixed. There are more than 45 predesigned formats to choose from. The user can move, size and position all elements of the chart and choose font size, change colors and add lines and boxes. Provides tools to perform complex scientific and statistical analysis and offers a large data capacity, 8,000 points per series, with up to 32,000 per chart. It can gather data directly from a wide range of

statistical and analytical software packages, including the SPSS/PC+ system. Automatically inputs the data to be charted. Includes computer-based training materials and on-line, context-sensitive help. Corporate classroom training materials are available.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: One disk drive and a hard disk, CGA.</i> | 3 1/2-inch disk | 320K | \$395.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: One disk drive and a hard disk, CGA.</i> | 5 1/4-inch disk | 320K | \$395.00 |

MICROSOFT CORP.

MICROSOFT EXCEL (VER. 2.1)

ISPN 53150-270

A financial analysis tool which is linked with business graphics and a database for interpretation of vast quantities of numbers.

MICROSOFT EXCEL comes with a full collection of training tools. Includes an interactive on-line tutorial that helps you learn your way around the program. Lets you take advantage of all the memory that came with your machine, and any additional memory you may want to add later. Sparse matrix memory model means that space in memory is reserved only for those cells that contain data, so the program doesn't waste precious memory on blank cells. This allows you to run multiple spreadsheets efficiently, without using up system memory. Macros let you automate repetitive tasks such as updating monthly budgets. Lets you create these shortcuts easily, use them with any spreadsheets you choose, and share them with others. Stores its macros separately from your actual spreadsheet, so you can change a macro at any time, create one from scratch (instead of from example), move a macro for use with any spreadsheet you choose. The integrated database makes it easy to organize, file, sort and retrieve any data in any spreadsheet, according to your needs. You can sort through thousands of records in seconds and look up vital information based on precisely the search criteria you choose. Provides on-screen database forms that make it easy even for beginners to enter records, review their database which is stored right on the spreadsheet, so you can use either one without missing a beat.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$495.00 |

MICROSOFT CORP.

MICROSOFT EXCEL (VER. 2.2)

ISPN 53150-280

A spreadsheet which is linked with business graphics and a database for interpretation of vast quantities of numbers.

Completely compatible with Multiplan and Chart. Contains automatic macros which allow a program to be written within an existing program, such as a statistics calculation to be done on a simple command. Has business graphics for visual representations of numbers, and a database that helps you extract and analyze spreadsheet data with 16,384 rows and 256 columns. It doesn't waste your time recalculating numbers that don't need recalculating, and lets you automate repetitive tasks, or set up templates so it's easier for other people in the office to use your worksheets. Makes the numbers or text in any cell or group of cells bold, italic, underlined, or outlined. Unlimited number-formatting options, including currency, date, and time. Allows you to work with several

spreadsheets on the screen. Users can import files from Lotus 1-2-3, work on them, and send them back again. There is a choice of 42 pre-designed charts to help you communicate exactly what you have in mind. Whenever you change the numbers in a worksheet, the charts change automatically. Allows user to customize charts by adding text, arrows, borders, and other embellishments. Also allows user to find, sort, or analyze any information in any spreadsheet. Can also use it to store lists, phone numbers, addresses, financial data, or any other information. Can also help set up complex models, extract any expression, value, or text in a worksheet, and sort on up to three keys, by row or column. Also provides extended worksheet linking capabilities which will allow users to link worksheets stored in different folders.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 2048K | \$395.00 |

MICROSOFT CORP.

MICROSOFT MULTIPLAN (VER. 4.01)

ISP# 53150-550

A character-based spreadsheet for numeric modeling and planning. Allows linked worksheets to share information.

Offers speed, accuracy and versatility for financial planning, analysis, forecasting and record keeping. Also provides complete network support. Performs the most complex calculations and projections. The user can link multiple spreadsheets together, creating a spreadsheet of almost unlimited size. View, analyze and revise up to eight different worksheets at once. Compare income statements and balance sheets, revise project cost estimates and review multiple financial statements at the same time. Provides built-in protection schemes that limit read and write access to one user at a time and prevents unauthorized access to data through data encryption and password control. The file-locking function prevents accidental changes to data while working on a worksheet. This updated version includes worksheet auditing, date and time calculations, ASCII file import capability, access to DOS from inside MULTIPLAN and record-as-you-type macros. The enhanced printing capabilities include support for headers, footers, page numbers, and date and time stamps. Straightforward command menus, on-screen prompts and clear on-line help information are included. Allows the user to examine multiple 'what if' scenarios. The program can read and write files, values and formulas in SYLK, Lotus 1-2-3 and other data formats.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$195.00 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$195.00 |

WORDPERFECT CORP.

PLANPERFECT (VER. 5.0)

ISP# 68012-025

Offers advanced functions such as optimal recalculation, printing and graphics support. Interfaces with WordPerfect.

PLANPERFECT combines graphics and database features with WordPerfect so that numbers, text and graphics can be exchanged easily to WordPerfect (ISP# 68012-600). Formulas constitute the backbone of worksheet calculations. Formulas are made up of functions, operators and values, and are user-constructed. Provides tools to create, edit and manipulate formulas throughout the worksheet. Functions, which tell MathPlan how

to calculate values in a formula, are available in more than 60 varieties and six basic groups including arithmetic, financial, calendar, logical, text and special functions. Transpose function allows switching the rows with the columns of a block. Two different portions of the same worksheet can be viewed through each window with a split screen. Password security protects worksheets and on-screen help is available. Foreign language versions include Dutch, Spanish, Norwegian, French and Swedish. Database features include cursor-advance data entry, searching and sorting. Multiple worksheets can be 'linked' together allowing information to flow between worksheets automatically. Permits unlimited links. PLANPERFECT provides fully integrated graphics features and WordPerfect printing support. Supports Lotus 1-2-3 worksheets, WordPerfect documents and mail-merge files, dBASE, ASCII and DIF format files. Supports mouse, EGA, CGA and VGA. Available in single and multi-user versions.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$395.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$395.00 |

SOFTWARE PUBLISHING CORP.

PROFESSIONAL PLAN

ISP# 73300-060

Contains an advanced spreadsheet analysis.

Provides the full range of features needed to quickly develop, analyze, graph, and print business plans, budgets, financial statements, and other planning models with professional results. Contains 94 formulated keywords - a complete set of mathematical, financial, statistical, logical, date, time, and string functions. Analyze spreadsheet data as line, bar, pie, trend, scatter, high/low/close, and area charts. Can also graph discontinuous data points. Create a 'view' with any combination of rows and columns, adjacent or not, and sort it by rows or columns. Use 'views' to create custom reports or save subsets of larger spreadsheets for future use. In formulas, you can use individual cell references, or English-word row and column references. Special audit feature lets you display or print formulas with your data. On-screen, context-sensitive help is always available, and the reference manual is organized and indexed to find what you need quickly. Pull-down menus display all available options in the context of your work so you choose what you want to do and get right to work. User-defined, record-and-playback keyboard macros let you replay complex strings of program commands. Reads Lotus 1-2-3 release 1A and 2.0 data and formulas directly, as well as ASCII data files. Numerical data from several spreadsheets can be consolidated into one. Creates charts in Harvard Presentation Graphics format. Writes spreadsheets and charts for Professional Write documents. Reads PFS-PLAN spreadsheets directly.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$99.00 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$99.00 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |

BORLAND INT'L.

QUATTRO

ISP# 08225-300

High performance Lotus 1-2-3 compatible spreadsheet with unlimited macros and integrated presentation quality graphics.

QUATTRO can handle a spreadsheet matrix of 8192 rows by 256 columns, directly read and write Lotus WKS, WK1, and WKE files, and use Lotus 1-2-3 (Release 1a and 2.01) macros without translation. More than 40 macro commands are available and macros are executable by name, ALT (key), or pointing, with the number of macros limited only by memory available. A complete built-in macro debugger for monitoring break points, trace variables, and flow of the macro is included. Also included is a keystroke record mode for creating macros. Quattro has 100 built-in financial and statistical functions and does an 'intelligent recalc,' which means it recalculates only the cells that are effected by a number change. You can produce presentation-quality graphics directly from the spreadsheet without having to exit to another program. A Menu Builder add-in lets you completely customize your own menus and, when coupled with macros, lets you create dedicated applications. Quattro supports CGA, EGA and VGA graphics adapters, 8087/80287 numeric coprocessors, most popular printers and EMS (expanded memory specification). Statistical operations provided are matrix arithmetic and inversion, regression and frequency analysis and one and two way sensitivity tables. Data Management includes a sophisticated query function for finding, copying, and deleting selected records and extraction of selected records to other parts of the spreadsheet. Allows sorts on up to five key and in four sort orders (ASCII, numbers before or after labels and Dictionary, numbers before or after labels). A Custom sort feature allows user to designate their own sort order. International feature supports international currency, punctuation and date and time formats.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$247.50 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$247.50 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

SUPERCALC 5 (VER. 1.0A)

ISPN 74700-245

Provides full Lotus 1-2-3 compatibility, network support, enhanced macro capabilities and presentation quality graphics.

SUPERCALC 5 includes multi-page and independent multiple spreadsheet linking between files in memory and on disk. Additional features include: Automatic loading of Lotus 1-2-3 (ISPN 45525-050) WKS and WK1 files; easy toggle between SUPERCALC menus and the Lotus 1-2-3 menu tree; built-in auditing and macro debugging; 2-D and 3-D pie, bar, stacked-bar and area graphic capabilities; and output enhancements allowing boxing, shading and ruling of cells or ranges and embedment of printer set-up codes and page breaks directly into spreadsheets. Produces presentation quality graphics and reports with complete postscript support and 35mm slide service. SUPERCALC 5 also allows for direct file sharing among different data formats, including XDIF, DIF, CSV, and dBASE III, and is fully compatible with files created from previous versions of SuperCalc. You can load up to 255 spreadsheets into memory at one time and view three spreadsheets simultaneously. A Silverado (ISPN 74700-550) add-in relational database is optional, Sideways (ISPN 31671-675) by Funk is included. Supports EGA, VGA and up to 32MB of Expanded memory using LIM (VER. 4.0). Available in single user and multi-user versions. Technical support available at (408)432-1764. NetWare Aware features: Connection, Diagnostic, Directory, File Server Environment, Locking, Printing and Semaphore NetWare-specific system calls; NetBIOS Peer-to-Peer communication protocol.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

*Requirements: Hard disk.***MEDIUM**

3 1/2 and 5 1/4

MEMORY

512K

PRICE

\$495.00

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS**SUPERCALC 5 LANPAK****ISP# 74700-246**

Adds three additional SuperCalc users to a network. Loads up to 255 spreadsheets into memory at one time.

SUPERCALC 5 LANPAK locks files on a network to protect against accidental overwriting of shared data, links to directories within the program and redirects you output to local or shared devices and localized configuration files. SUPERCALC 5 is an integrated spreadsheet program providing full Lotus 1-2-3 (ISP# 45525-050) compatibility, enhanced macro capabilities and presentation quality graphics. Features include multi-page and independent multiple spreadsheet linking between files in memory and on disk; automatic loading of Lotus 1-2-3 WKS and WK1 files; easy toggle between SuperCalc menus and the Lotus 1-2-3 menu tree; built-in auditing and macro debugging; 2-D and 3-D pie, bar, stacked-bar and area graphic capabilities; and output enhancements allowing boxing, shading and ruling of cells or ranges and embedment of printer set-up codes and page breaks directly into spreadsheets. SUPERCALC 5 also allows for direct file sharing among different data formats, including XDIF, DIF, CSV and dBASE III, and is fully compatible with files created from previous versions of SuperCalc. Supports CGA, EGA and VGA. 640K is recommended.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

*Requirements: Hard disk.***MEDIUM**

3 1/2 and 5 1/4

MEMORY

512K

PRICE

\$495.00

TIMEWORKS, INC.**SWIFTCALC WITH SIDEWAYS****ISP# 82000-372**

Applies mathematical functions and algebraic formulas to any spreadsheet analysis, budgeting, financial planning, cost estimate.

For home and business use. Can be used by itself or interfaced with Data Manager 2 and Word Writer. Produce customized reports incorporating information generated from all three programs. The SIDEWAYS option permits printing all of your columns on one continuous sheet, by automatically rotating the spreadsheet 90 degrees as it prints out. 250 rows and 250 columns provide 62,500 cells(locations in the spreadsheet) in which to place information. Performs mathematical functions, up to 17 digits. Allows the use of minimum and maximum values, averages, sums, integers, absolute values, and exponential notation. Calculates the present and future value of a dollar and the present and future value of a constant amount(annuity). Produces bar charts from your numerical data, allowing you to graphically compare values. Help screens, financial models, full prompting. Includes move/copy, search and replace, insert or delete, formatting, go to, horizontal and vertical scrolling, automatic cursor advance, disk cataloging, reset. Supported on all IBM PC compatibles. If used with the Commodore 128, Data Manager 128 must be used to achieve an 80-column screen. Documents from this program can be incorporated into the GEOS environment. Produces graphical displays and prints out numerical information using pie charts, and vertical bar charts. Scatter diagrams, line graphs, and three-dimensional staggered barcharts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE 128 <i>Requirements: Printer.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| COMMODORE 64/128 <i>Requirements: Printer.</i> | 5 1/4-inch disk | 64K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 5 1/4-inch disk | 256K | \$39.95 |

MOSAIC SOFTWARE, INC.**TWIN ADVANCED****ISPN 55406-725**

A Lotus 1-2-3 compatible spreadsheet with presentation graphics, Release 2 compatibility and data management.

TWIN ADVANCED turns the user's screen into a 8192-row by 256-column electronic worksheet, enabling the user to organize work, make projections or make decisions using 'what if' analysis. Contains an extensive set of mathematical, statistical, financial and logical functions. Protect cells against accidental changes. Full Macro capabilities are provided. Allows the user to create custom templates: balance, or general ledger sheets, forecasts and more. Date functions may be used as well as name ranges. For example, the user can calculate Profit = Sales - Cost where 'sales' and 'cost' are identified by the names of data cells or data ranges on the worksheet. TWIN is menu driven, and it offers two levels of graphics. Level one is analysis graphics. In this, numerical data can be turned into simple graphs. Point to the data ranges on the spreadsheet and select the type of graph. It will be displayed on the screen. Not copy protected. Once the ideal graph has been determined, it can be transformed into level two high quality presentation graphics. The TWIN's 'input-form, fill-in-the blanks' provides a choice of many different features. For example, the user may have up to three lines of titles and three lines of footnotes. There is a choice to have up to eight different sized lines, eight separate colors, and 11 text fonts. It is also possible to justify right, left, and center. The user may explode pie slices or select any color for any element of the graph. Spreadsheet data and graphics can be seen simultaneously.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 320K | \$149.00 |

MOSAIC SOFTWARE, INC.**TWIN CLASSIC****ISPN 55406-700**

Provides the user with spreadsheet and high quality presentation graphics. Reads and writes Lotus 1-2-3 files directly.

TWIN CLASSIC turns the user's screen into a 8192-row by 256-column electronic worksheet, enabling the user to organize work, make projections or make decisions using 'what if' analysis. Contains an extensive set of mathematical, statistical, financial and logical functions. It can protect cells against accidental changes. Full Macro capabilities are provided. Allows the user to create custom templates: balance, or general ledger sheets, forecasts, etc. Date functions may be used as well as name ranges. For example, the user can calculate Profit = Sales - Cost where 'sales' and 'cost' are identified by the names of data cells or data ranges on the worksheet. TWIN is menu driven, and it offers two levels of graphics. Level one is analysis graphics. In these, numerical data can be turned into simple graphs. Point to the data ranges on the

spreadsheet and select the type of graph. It will be displayed on the screen. Not copy protected. Once the ideal graph has been determined, it can be transformed into level two, high-quality presentation graphics. The TWIN's input-form, fill-in-the blanks' provides a choice of many different features. For example, the user may have up to three lines of titles and three lines of footnotes. There is a choice to have up to eight different sized lines, eight separate colors, and eleven text fonts. It is also possible to justify right, left, and center. The user may explode pie slices or select any color for any element of the graph. Spreadsheet data and graphics can be seen simultaneously.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

320K

PRICE

\$99.00

MOSAIC SOFTWARE, INC.**TWIN LEVEL III****ISP# 55406-750**

A Lotus 1-2-3 compatible spreadsheet that provides 3-D worksheets, multiple file linking, background recalc and presentation graphics.

TWIN LEVEL III turns the user's screen into a 8192-row by 256-column electronic worksheet, enabling the user to organize work, make projections or make decisions using 'what if' analysis. Contains an extensive set of mathematical, statistical, financial and logical functions. Protects cells against accidental changes. Full Macro capabilities are provided. Allows the user to create custom templates: balance, or general ledger sheets, forecasts, etc. Date functions may be used as well as name ranges. For example, the user can calculate Profit = Sales - Cost where 'sales' and 'cost' are identified by the names of data cells or data ranges on the worksheet. TWIN is menu driven, and it offers two levels of graphics. Level one is analysis graphics. In this, numerical data can be turned into simple graphs. Point to the data ranges on the spreadsheet and select the type of graph. It will be displayed on the screen. Not copy protected. Once the ideal graph has been determined, it can be transformed into level two, high-quality presentation graphics. The TWIN's input-form, fill-in-the blanks' provides a choice of many different features. For example, the user may have up to three lines of titles and three lines of footnotes. There is a choice to have up to eight different sized lines, eight separate colors, and 11 text fonts. It is also possible to justify right, left, and center. The user may explode pie slices or select any color for any element of the graph. Spreadsheet data and graphics can be seen simultaneously.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

320K

PRICE

\$249.00

INFORMIX SOFTWARE, INC. (KS)**WINGZ (VER. 1.1)****ISP# 38500-800**

A true graphic environment spreadsheet with advanced charts and graphs, full color support, 3-D capabilities and more.

WINGZ includes enhanced 3D graphs, and Wingz' HyperScript programming language. Includes custom number formats, enhanced graphics with contour line projections for surface graphs, and greater flexibility in HyperScript for manipulation of dialog boxes, fields, and controls. Includes a 525 page volume on the HyperScript language and extensive on-line help files. Allows users to easily combine numbers, words, graphs and graphic images on a single worksheet, and print to a single page.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$395.00 |

172 PRODUCTIVITY/STATISTICS

ODESTA CORP.

DATA DESK PROFESSIONAL II (VER. 2.0)

ISP# 57709-100

Allows users to explore and analyze data by asking questions visually with graphics backed-up by analytic functions.

Works like the Macintosh desktop. Each variable, plot, or table is an icon on the desktop that can be opened and worked with, filed away or discarded. Provides 3-D rotation. Plot three variables together then grab the plotted points with the mouse and rotate in any direction, at any speed. Parts of plots and tables offer pop-up menus that suggest related plots and analyses. Users can drag a new variable into a regression and substitute variables in analyses or plots. HyperView menus suggest related analyses and plots. Allows importing of data from spreadsheets, databases, word processors, telecommunication programs, and text files. Users can export data, results, plots, or tables to word processors, desktop publishing programs, graphic editors, and others. Manipulations supported include numeric or alphabetic sort and rank, append or split variables, go to or find cases, replace, generate random variables from five distributions, generate patterned variables, select subgroups in any analysis or plot for replacing or editing, copy variables or selected cases for exporting. Transformations include more than 64 functions available from menus or by typing any algebraic expression. Statistics capabilities include summary statistics, contingency tables, tests and confidence intervals, linear models and other multivariate methods. Technical specifications on data include adaptive data typing, 500 or more variables, and up to 32,000 cases. Computing capabilities include full 19-digit computations with IEEE floating-point arithmetic. Directly accesses the 68881 floating point processor on the Macintosh II for 50x or more speed improvement on many calculations. Data is managed dynamically, so the entire datafile need not fit in memory.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$495.00 |

Requirements: Two 800K disk drives or one disk drive and a hard disk.

STSC, INC.

STATGRAPHICS (VER. 3.0)

ISP# 76925-770

Provides statistical graphics combining mathematical precision and high resolution graphics in an analytical environment.

STATGRAPHICS is applicable for engineering, statistics, research or business use. Enables the user to move back and forth between data and graphs, change variables, and see the effects immediately. The high-resolution graphics enable the user to explore data more fully, so that patterns and relationships not readily apparent in numerical results can be seen. Offers a full range of mathematical and statistical procedures.

Contains over 250 programs including Anova, Regressions, Industrial Statistics, Forecasting and Time Series Analysis. Anova produces balanced, unbalanced, and nested designs. Regressions produces simple and multiple regression, both linear and nonlinear, and stepwise variable selection. Industrial Statistics offers univariate and multivariate quality control charts and experimental designs using both full and fractional factorials. Forecasting and Time Series Analysis offers trend extrapolations, growth curves, exponential smoothers, seasonal decompositions, and Box-Jenkins procedures. Contains a variety of graphics programs, including two- and three-dimensional line and surface plots, bar and pie charts, histograms, time sequence plots, and quality control charts. The user controls all aspects of the displays, including colors, labels, scaling, and line and point types, or display several plots on the same screen. Graphics are supported on a variety of output devices, including high-resolution color and monochrome graphics adapters, dot-matrix printers for printouts of displays, and pen plotters for presentation-quality graphics. Includes a report writer, a foil generator which creates 'large-type' text screens ideal for producing overhead transparencies, and record and replay facilities which allow the user to redisplay graphs or run through an entire analytical process. Provides interfaces to file formats such as dBASE III (ISPN 05500-160), Lotus 1-2-3 (ISPN 45525-050) and Symphony (ISPN 45525-200), and ASCII and DIF files. Features a full-screen data editor to enter and edit data from the keyboard. This program is completely menu-driven and contains an on-line 'Help' facility keyed to each procedure. Features extensive use of function keys to give quick access to graphics displays, and full-screen panels for variable selection and data transformations. Provides one-step access to any procedure from any menu, as well as the ability to access one procedure from within another. Provides optional access to the source language if the user wishes to write customized procedures. A comprehensive user's guide, tutorial, and sample data sets guide the user through the procedures step-by-step. A reference card is included for access to summary information. A math co-processor and 640K RAM are recommended.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$895.00 |

Requirements: CGA, EGA or Hercules Graphics Adapter, two disk drives or hard disk.

ABACUS CONCEPTS, INC.

STATVIEW II (VER. 1.03)

ISPN 00319-100

Statistical analysis with color presentation graphics for the Macintosh.

STATVIEW II provides in a single package the ability to manage, analyze, and present data. Creates color charts using 16.7 million colors available on the Macintosh II. Runs under A/UX. Performs a variety of descriptive and comparative statistical operations at speeds comparable to mainframe computers. These operations include: Complete descriptive statistics; t-Tests (one/two group, paired); Pearson correlations (listwise/pairwise); simple, multiple (unlimited predictors), polynomial (up to ninth order) and stepwise regression; 1-16 factor ANOVA with factorial and repeated measure designs (balanced/unbalanced models); Contingency tables; Exploratory factor analysis (principal components, Harris image, Kaiser image extraction methods); complete Nonparametric tests. Presentation color graphics can be customized using MacDraw-type drawing and text tools. Text can be inserted anywhere on the screen and the user can change the font, style, size, and color of any character or character group. Outputs to any color printer, plotter or slidemarker which as a Macintosh II printer driver. Multifinder compatible and will read and import any ASCII text file.

SYSTEM**MEDIUM****MEMORY****PRICE**

| | | | |
|---|-----------------|-------|----------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |
|---|-----------------|-------|----------|

Requirements: Two 800K disk drives, or hard disk and disk drive, 68881 and 68020 processors.

ABACUS CONCEPTS, INC.**STATVIEW SE+ GRAPHICS (VER. 1.03)****ISPN 00319-110**

Statistical analysis with color presentation graphics for the Macintosh.

For the professional who must analyze data and present the results to an audience. Includes scattergrams, line, pie, and bar charts, histograms, box plots, and error bars. Graphs can be customized by resizing, adding text, drawing arrows and shapes, changing point types and sizes, filling bars, and changing pattern fills. Text can be inserted anywhere on the graphs. The font, style, size, and color of each character can be controlled. The user can change the color of every object on the chart, including the background. Statistics available include: complete descriptive statistics; t-tests (one/two group, paired); Pearson correlations (listwise/pairwise); simple, multiple (unlimited predictors), polynomial (up to ninth order) and stepwise regression; 1-16 factor ANOVA with factorial and repeated measure designs (balanced/unbalanced models); Contingency tables; Exploratory factor analysis (principal components, Harris image, Kaiser image extraction methods); complete Nonparametric tests. Data management techniques available include: transformations, creation of new variables by formula, recoding, sorting, data selection by criteria, column splitting by category. Text files created by other Macintosh applications or downloaded from mainframe computers can be quickly imported. StatView SE+Graphics is fully MultiFinder compatible.

SYSTEM**MEDIUM****MEMORY****PRICE**

| | | | |
|---|-----------------|-------|----------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$399.00 |
|---|-----------------|-------|----------|

Requirements: 800K disk drive.

178 PRODUCTIVITY/TIME MANAGEMENT

POWER UP SOFTWARE CORP.**CALENDAR CREATOR****ISPN 61687-100**

Lets your computer take over your calendar, ensuring that any calendar, from corporate to personal, is always neat and accurate.

CALENDAR CREATOR works with multiple event files that let you enter both unique and recurring events. Create event files for project schedules, company paydays and holidays, deadlines - anything requiring a calendar entry. Concise menus and text-entry screens make it easy to record events. You can even note irregular dates - the third Thursday of each month, for example. Print custom calendars by selecting event files to include - any number can be added to a single calendar. When things change, just update the appropriate event file and print a fresh calendar. Keep a file of personal events, and let CALENDAR CREATOR launch a new calendar at year's end, with all your important dates automatically entered for the coming year. Choose among three

calendar types: one week, one month, or one year per page - or print your event files alone, apart from the calendar. You determine the start date and number of weeks, months, or years to print. You can show any period from a week to a decade or more-perfect for schedules and fiscal-year calendars. And CALENDAR CREATOR adjusts its output for either standard or wide paper.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$59.95 |

Requirements: Graphics printer, 80-column monitor, double-sided disk drive.

POWER UP SOFTWARE CORP.

CALENDAR CREATOR PLUS (VER. 3.0)

ISPN 61687-169

Lets your computer take over your calendar, ensuring that any calendar, from corporate to personal, is always neat and accurate.

CALENDAR CREATOR works with multiple event files that let you enter both unique and recurring events. Create event files for project schedules, company paydays and holidays, deadlines - anything requiring a calendar entry. Concise menus and text-entry screens make it easy to record events. You can even note irregular dates - the third Thursday of each month, for example. Print custom calendars by selecting event files to include - any number can be added to a single calendar. When things change, just update the appropriate event file and print a fresh calendar. Keep a file of personal events, and let CALENDAR CREATOR launch a new calendar at year's end, with all your important dates automatically entered for the coming year. Choose among three calendar types: one week, one month, or one year per page - or print your event files alone, apart from the calendar. You determine the start date and number of weeks, months, or years to print. You can show any period from a week to a decade or more-perfect for schedules and fiscal-year calendars. And CALENDAR CREATOR adjusts its output for either standard or wide paper. Requires one of the following printers: IBM Graphics or Proprinter, Epson MX 80/100 (with Graftrax), RX 80/100, FX 80/100, LQ 1500, Okidata 84, 92, 93, 182, 192, 193, C. Itoh Prowriter, IDS 460, 560, and Prism, NEC 8023, Toshiba P351. Users can print calendars at the touch of a key in a wider array of paper sizes and formats. The program is specifically optimized to print calendars to fit everywhere. Supported paper sizes range from pocket (3 3/4 X 6 1/2-inch) to organizer (5 1/2 x 8 1/2-inch) to 14 x 11-inch page sizes which can be arranged with horizontally or vertically for most calendar styles. A print-to-disk option lets the user print a calendar, in a fully formatted version, to a disk for printing on another computer or for use at a later date without having to run the program. The calendar can also be exported to word processing, database or other programs in an ASCII comma-delimited format.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |

Requirements: Graphics printer.

| | | | |
|------------------------------|-----------------|------|---------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$49.95 |
|------------------------------|-----------------|------|---------|

Requirements: Graphics printer.

CE SOFTWARE

CALENDARMAKER (VER. 3.0)

ISPN 11725-150

Creates presentation-quality calendars and includes a utility program for moving, editing or designing icons.

Creates monthly calendars which display daily information. Reads calendar files directly from Appointment Diary in Smart Alarms (ISPN 41388-700), MORE! (ISPN 45081-400), SideKick (ISPN 08225-085), BatteryPack, text files, and CalendarMaker files through the 'Import' command. The import appends existing information to enable multiple individual calendars to be combined to create single master calendars. Allows users to move between months or days by clicking the mouse or pressing a key. Provides the ability to preview individual days in the edit window, and provides for a full-page preview of the completed monthly calendar plus the ability to enlarge the display to actual print size. Floating notes can be created that will print on the calendar in the unused boxes, across multiple dates, or wherever the user desires. Applicable for keeping track of multiple day events and large reminders of upcoming events. Individual dates allow up to 254 characters of text to be centered, or left, or right justified. With a Plus and 4.1 system, character by character text for each day can be mixed in font, size, and style. Uses menus to set up preferences for page style, text style, monthly pictures, printing colors, and monthly icons. Prints to the ImageWriter or LaserWriter, and to the disk in text, Paint, or PICT file formats. Prints in full color with the ImageWriter II. Includes IconMover, a utility program which provides the ability to move, edit, or design icons. The program has the ability to 'scrounge' icons from other programs or existing paint files and reduce the scrounged area to a 32-dot by 32-dot icon. Twelve sets of icon files are included which can be rearranged or edited and installed in a personal startup icon set. Multiple icon files can be opened at one time for ease of transfer and editing. CalendarMaker uses 89K of disk space, and IconMaker uses 44K of disk space.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

Requirements: ImageWriter, ImageWriter II, or LaserWriter printer.

VISION SOFTWARE

CAROL WHITE'S OFFICE MANAGER

ISPN 85371-175

Features seven memory-resident desktop accessories, including an appointment calendar, appointment book and Rolodex card file.

CAROL WHITE'S OFFICE MANAGER is a home and office tool designed to increase your productivity. Features seven accessories that will operate in conjunction with other software programs. Only a stroke of a key is required to access needed information. Up to 90 frequently used programs can be assigned their own keystrokes. The appointment calendar and appointment book keeps track of appointments and dates as it stores and retrieves any day's activities. The Rolodex card file lets you maintain addresses, phone numbers and notes on day-to-day contacts. The full function calculator performs all base functions and gives you an option of displayed or printed tape. The alarm clock reminds you of up to 15 important appointments even if you are using another program. The clock can be displayed at all times in the upper right hand corner of any screen. The phone list and auto dialer keeps track of important phone numbers. This feature will find the phone number you need from the phone list or Rolodex card file and automatically dial the number for you (a Hayes-compatible modem is required). The ASCII table is a handy reference for programmers and non-programmers alike. Shows all 256 ASCII characters and their values in both hex and decimal.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$29.95 |

Requirements: Hayes compatible modem for the auto dialer function.

Requirements: Hayes compatible modem for the auto dialer function.

HI-TECH EXPRESSIONS

DESKPOWER

ISPN 35609-210

Features a word processor and editor, calendar, appointment book, planner, address and telephone book, calculator and notepad.

DESKPOWER gives you the power to better organize your life, from composing correspondence and planning schedules to making lists and tracking expenses.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Printer.</i> | 5 1/4-inch disk | 128K | \$14.95 |

LAYERED, INC.

FRONT DESK (VER. 6.10)

ISPN 43760-500

Integrates schedules for up to 30 people, then reports on projects productivity and revenue by person in any business environment.

FRONT DESK is designed to assume the appearance of any conventional calendar and can be viewed in 'day at a glance' or 'month at a glance' formats for either a single employee or an entire office. Provides time-accounting information for businesses that need answers to questions such as, Who did what and when? and How much revenue did individual personnel produce for a given period? Users can define individual standard hourly billing rates for each resource being scheduled. Front Desk uses those rates to calculate revenue generated for each resource. Users can define up to 30 standard services used in their businesses, including title search, physical examination and report preparation. Applicable for use in a multi-user environment. The price listed is per user.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.00 |

POP COMPUTER PRODUCTS, INC.

POPBASICS: RECALL!

ISPN 61558-625

Displays your schedule on-screen at the touch of a finger.

POPBASICS: RECALL! is not memory-resident. Pops up to check your calendar and display your list of things to do. Whenever you schedule a calendar of events, POPBASICS: RECALL! prompts you to do them. If you have a repeat obligation, like certain payments or a series of business breakfasts, this program can schedule them in seconds. Context-sensitive, on-screen help is available at all times.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 256K | \$14.95 |

POWER UP SOFTWARE CORP.**QUICK SCHEDULE PLUS****ISPN 61687-680**

Provides the ability to create Gantt charts and to build schedules visually. Features include built-in editing functions.

Provides graphically clear printouts with the Gantt chart, which shows at a glance the relationship of each element to the total project, and schedule building that shows the start date, duration, and end date of each element as a horizontal 'task bar'. The task bars also work for scheduling resources such as people and equipment. Some of the charts the user can create include project schedules, team assignments, and inventory flow charts. Additional features include editing in which the user can lengthen or shorten task bars, insert new ones, move bars around, and place sequential tasks in a single row. When dates change, you can shift the entire schedule, or just a portion, an on-screen time scale, marked by day or week is included. Functions include the ability to attach a 20-line 'notecard' to each task bar, which the user can print out at any time. A graphics printer such as IBM Graphics or Proprietary, Epson FX, MX (With Graphtrax), RX, LQ, Okidata 82,83,84,92,93,182,193,19 or C, Itoh Prowriter, IDS Prism and MicroPrism 480, DataProducts 8050, NEC 8023, Toshiba P351, or Facit 4510.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Dot-matrix graphics printer.</i> | 5 1/4-inch disk | 384K | \$79.95 |
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Dot-matrix graphics printer.</i> | 5 1/2-inch disk | 384K | \$79.95 |

POP COMPUTER PRODUCTS, INC.**REMINDERS!****ISPN 61558-675**

An all-purpose program you can use to schedule, remind, make notes, keep logs and track phone calls.

REMINDERS! best feature is its calendar. Just press one key and a calendar pops up. Scroll to the date you want and press the Enter key. Your note is attached to the proper date. Contains an alarm feature. Tell it to beep softly for the little things or loudly for major events. You can pick the sound from 16 available. Allows you to browse through any period to find your notes. You can arrange your reminders by category and repeat one message over and over. If you do not want anyone to see your reminder files, switch on password protection. Prints current schedules or logs of completed tasks. Allows you to check a calendar into the 21st century. Supports black and white or color monitors using CGA, EGA or VGA. Supports most dot-matrix, daisywheel, inkjet or laser printers connected to parallel port 1 or 2. A hard disk is recommended.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |

CHRONOS SOFTWARE, INC.**WHO-WHAT-WHEN****ISPN 12534-200**

Provides fully integrated people, project and time management with scheduling, focused around a daily calendar.

WHO-WHAT-WHEN provides a three-way view of people, projects and time from the big picture right down to specific task details. WHO features the People Management View which displays the co-workers, the projects and tasks which are worked on and due dates. WHAT features the Project Management View which displays the projects and tasks, the people involved and complete schedules with milestones and deadlines. WHEN features the Time Management View which displays daily calendars, what is being seen and what it's about. Features include appointment calendar, prioritized to-do lists, weekly calendar, delegations with follow-up, recurring events, office-wide scheduler with automatic conflict checking and meeting maker. Non-technical project management builds calendar entries into projects. Includes Gantt charts, milestones, unlimited sub-projects and detailed project calendars. Additional features include a memo-writer, on-line alarms, autodialer, mail list manager, address/phone books, cardfile and calculator. Automated management reports include daily and monthly calendars, project detail calendars and overview Gantt charts. Also features people/project commitment charts, Rolodex cards and mailing lists. On-line context sensitive help. Not copy protected. Available in single user and multi-user versions. NetWare Aware features: Explicit NetWare Transaction Tracking Service (TTS) record-locking system calls; Btrieve server-based NetWare DBMS engine.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 512K | \$189.95 |
| <i>Requirements: Note: Foreign versions and Volume Purchase Plans are available at different prices. Hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 512K | \$189.95 |
| <i>Requirements: Note: Foreign versions and Volume Purchase plans are available at different prices. Hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 512K | \$189.95 |
| <i>Requirements: Note: Foreign versions and Volume Purchase Plans are available at different prices. Hard disk.</i> | | | |

180 PRODUCTIVITY/TIME/CLIENT BILLING

NORTH EDGE SOFTWARE CORP.

TIMESLIPS III (VER. 3.40)

ISBN 57090-750

A time and expense tracking, professional billing and accounts receivable system for small to medium-sized businesses.

Includes custom report and graphics generators. Users track time/expenses with a software stopwatch, or batch enter and generate business and financial reports using the Custom Report Generator with graphics. Each timeslip includes user, client/account, project/activity multiple billing rates, description field, dates, reference numbers/codes and accumulated time. Bill Generator capabilities include procedural macros, complete accounts receivable, automatic invoice numbering, aging of receivables, work in progress, subtotals by user, client or activity, flat fee billing, transaction and client history reports. Change a timeslip into an 'expense-slip' to track costs. Provides context-sensitive help screens with a menu-driven format. Includes a command line option to bypass the start-up screen, a real time-saver if you know your system date and time are correct.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 384K | \$299.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: Hard disk.</i> | 3 1/2-inch disk | 384K | \$299.95 |

NORTH EDGE SOFTWARE CORP.**TIMESLIPS III NETWORK EDITION (VER. 3.3)****ISPN 57090-751**

A networked memory-resident time and billing system that licenses up to 12 workstations.

TIMESLIPS III NETWORK EDITION allows entire offices to keep productivity and billing records centralized as each employee tracks their own time. Multiple users can simultaneously track time against the same client or job. The memory-resident time and expense module can run in expanded memory using only 10K of main memory. At the touch of a key, the 'Timeslip' will pop-up over any application used. Expenses can be entered, time can be batch entered or the stopwatch timer can be activated to track time to the second. The user indicates the hourly rate at which to bill and the total fee is automatically calculated and client files are updated. Numerous professional invoice and report formats are possible, with varying levels of detailed description. Since TIMESLIPS III NETWORK EDITION also handles accounts receivable, time and/or expense charges can be marked up or down, sales and service taxes added, payments and credits entered and aging of overdue accounts detailed. Productivity reports can be created to show what work was done for each client, by whom, which project was involved and the length of the activity. Reports can be created to compare estimated project time versus actual project time, or billed time against unbilled client time to determine which activities are profitable. TAL (Timeslips III Account Link) (ISPN 57090-800) is an add-on that bridges Timeslips III with a variety of compatible accounting programs. An entry made into Timeslips III is automatically posted to the user's accounting system, eliminating manual re-entry of data and consequent errors. Supports printers and is available as a multi-user program. For technical help call (508)768-7490.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ <i>Requirements: Hard disk. Any DOS share function network.</i> | 5 1/4-inch disk | 384K | \$699.95 |
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2-inch disk | 384K | \$699.95 |

NORTH EDGE SOFTWARE CORP.**TIMESLIPS III REMOTE (VER. 1.0)****ISPN 57090-760**

Allows users to record time and expenses by either utilizing the software 'stopwatch' or by entering information from paper records.

TIMESLIPS III REMOTE is the timer module for the Timeslips III (ISPN 57090-750) program. Designed for offices with several users tracking time and expenses, but only one administrator creating bills and reports. Data is exported into the administrator's system so output can be generated. Suitable for non-networked offices and laptop computers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Timeslips III (ISPN 57090-750).</i> | 5 1/4-inch disk | 384K | \$79.95 |

184 PRODUCTIVITY/TYPING TUTORIALS

MINDSCAPE, INC.

MASTERTYPE

ISPN 54375-029

Grades 2-12: Teaches typing and improves keyboard skills using arcade game action.

MASTERTYPE monitors your progress in words per minute, tracks your errors, recommends lessons to improve your skills and even gives you scores to compare with your friends. Teachers can create individualized lessons for their students. There are also finger positioning exercises and sentence typing practice so that you get all the results of a traditional touch typing course. Additional features include graphics. Now with improved scoring and skill measurements, and a flexible lesson system to let the user create custom drills for special needs. The lab packs contain a teacher's guide and five disks.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$39.95 |

ELECTRONIC ARTS

MAVIS BEACON TEACHES TYPING

ISPN 28512-013

Teaches typing skills with lessons from a database of interesting passages.

MAVIS BEACON is a typing tutor whose lessons are tailored to all ways of learning. Progress charts track improvement in 25 areas. Options include ten-key, Dvorak and computer keyboards. Features 'Show Thinking' which lets user see how Mavis generates customized lessons.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$39.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR TYPING

ISPN 58655-750

Uses jokes, riddles, an action game and graphics to teach keyboard skills.

Sharpens skills for typewriter and keyboard mastery with three separate activities. Stickybear Keypress, for young players and beginners, allows practice in either typewriter or word processor mode, ranging from the simplest drills in home key position to complex exercises that require the full keyboard. Stickybear Thump builds typing skills in a fast-action activity. To prevent Stickybear from getting thumped by a robot,

letters and words must be typed quickly and accurately. Stickybear Stories presents typing practice with entertaining text in a choice of categories. Hundreds of facts, jokes, stories, and complex paragraphs are available for timed practice in either typewriter or word processor mode. An accuracy mode also may be selected. User may select appropriate level of difficulty from 30 different levels. The program provides immediate feedback to let users know how they're doing. Users automatically move to higher levels as they complete exercises. Home Key position can be displayed on screen if desired. The program tracks and keeps records for up to 25 users. A free exchange coupon for 3.5-inch disk is included.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |

BRODERBUND SOFTWARE, INC.

TYPE!

ISPN 08850-180

Grades 5-12: Teaches typing skills through the use of real words and sentences. Saves and prints out progress reports.

TYPE! provides the most advanced diagnostics available, displaying detailed graphs of performance and recommending exercises to improve skill. Can save daily results and print out progress reports. Also offers an exciting, arcade-style typing game. School edition includes a teacher's guide and a back-up disk. The lab packs include a teacher's guide and five disks. Additional teacher guides are available for \$10.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$26.95 |
| <i>Requirements: Dual Pack.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$29.95 |
| <i>Requirements: Consumer edition.</i> | | | |

INDIVIDUAL SOFTWARE, INC.

TYPING INSTRUCTOR ENCORE

ISPN 37275-400

Uses the computer's graphics capabilities to teach typing skills in a self-paced manner.

TYPING INSTRUCTOR ENCORE is designed to be a one-on-one typing instruction program that will increase typing speed and improve accuracy as well as teach touch-typing. Begins with graphic presentations on proper typing posture and correct hand and finger placement. Using a unique graphic display of the keyboard, each key is associated with the correct finger in a series of lessons which can be independently accessed. Offers individualized progress reports, typing speed in words per minutes, percent of accuracy, and overall skill evaluation. Customizes the practice material to help user strengthen areas that are weak. Offers a fast-action game of chase for fun and variety to help sharpen skills. Also included in this menu-driven program are a complete introduction to Typing Techniques and the Basics, 18 independently accessible lessons covering key locations, graphic presentation of correct finger to key placement, over ten choices of practice typing material, which include practice typing material for business, technical and general. Provides material at three different levels, individualized progress reports and skills evaluation, and professional typing tests. Covered material includes letters, phrases, words, sentences and paragraphs. Gives positive feedback and

encourages new users. Program is available in English, French, Spanish, Dutch, and German.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 256K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 256K | \$39.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

TYPING TUTOR IV

ISPN 70387-750

Adapts lessons to an individual's specific typing skills and learning needs. Picks up where Typing Tutor III leaves off.

Gives the user a choice of three drills, alphabet keys, number keys and (on the IBM PC version) the numeric keypad. It reports at each point the user's raw speed in words per minute, number of errors, and corrected speed. Then, it automatically adjusts to the user's abilities and progress, creating custom-designed lessons. The goals questionnaire helps the user determine both a starting level and goals for improvement to tailor lessons to individual needs. Unlimited lessons are generated in natural English, using a case-sensitive, single-line format, and allows the use of the backspace key for error correction. Features multiple speed and customized tests, utilizing the user's own specialized texts to avoid repetition. Includes special instructor's sections in the program and the manual which give directions for using TYPING TUTOR IV in the classroom, including test encryption and password protection, a composite progress report for all students in a class, as well as speed and accuracy graphs for individual students. Contains Letter Invaders, an arcade-style game. Like the drills and tests, the Letter Invaders game automatically adjusts to the user's skill.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$39.95 |
| APPLE IIGS | 3 1/2-inch disk | 128K | \$44.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$49.95 |
| APPLE MAC, II+, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 128K | \$59.95 |

187 PRODUCTIVITY/WORD PROCESSING

SYMANTEC

4 WORD

ISPN 77413-040

An add-on word processor for Lotus 1-2-3 that lets you combine text, numbers and graphs.

4 WORD equips Lotus 1-2-3 with many advanced word processing and editing functions, including word wrap, text centering, automatic justification, move, copy, search and replace. You have your choice of using bold, underlined and italicized text. 4 WORD automatically revises your documents to reflect spreadsheet changes.

Automates keyboard operation with user-created macros. This program is not copy-protected. 4 WORD must be used with Lotus 1-2-3 (ISPN 45525-050).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$99.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050).</i> | | | |

SAMNA CORP.

AMI

ISPN 67737-100

A full-featured word processing package, with capabilities for cut, copy and paste.

AMI takes advantage of the Microsoft Windows environment to import Windows-supported graphics elements into a document and display them on the screen. Has a 130,000-word spelling checker, search and replace, headers and footers, a full 'undo' command and context-sensitive help. Users can choose between two document editing modes to meet their specific requirements. The 'draft mode' provides a text-only display of the document being edited for times when the emphasis is on content and the actual format may be distracting. In the 'layout mode', the document is seen exactly as it will be printed and the text is formatted as it is entered or edited. The dialog boxes not only display a comprehensive set of command options, but also show you the results of those selections immediately. The 'frame' feature makes the integration of text and graphics easy. Like a mini-page within a document, a frame can be placed anywhere on the page. The text of the main document can wrap around the frame or simply flow underneath it. Frames are used to include graphics in a document and are also used to create special effects with text on the page. Graphics can be easily 'pasted' into a frame, where they can be scaled, repositioned and cropped. Separates a document's text from its format so that users can easily reuse the same format for several documents, saving time and trouble while yielding consistently formatted documents. Includes a runtime version of Microsoft Windows (ISPN 53150-736).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 640K | \$199.00 |
| <i>Requirements: 286 or 386 processor, CGA, EGA or Hercules Graphics adapter, hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 640K | \$199.00 |
| <i>Requirements: 286 or 386 processor, CGA, EGA or Hercules Graphics Adapter, hard disk.</i> | | | |

BRODERBUND SOFTWARE, INC.

BANK STREET WRITER

ISPN 08850-030

A word processor for home or school with on-screen prompts and commands.

BANK STREET WRITER is a popular word processing program for students and adults alike. Use it to edit any document - from a letter to a research paper. Its expanded printer commands let you explore new typeface and layout options. You can save documents and import them into any ASCII formatted file. Provides copy, erase and move commands. Includes an on-disk tutorial.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$69.95 |

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$49.95

BRODERBUND SOFTWARE, INC.**BANK STREET WRITER PLUS**

ISPN 08850-031

An easy-to-learn sophisticated word processor with built-in spelling checker and thesaurus.

BANK STREET WRITER PLUS, inspired by the New York Bank Street College of Education, adds new capabilities to the popular Bank Street Writer (ISPN 08850-030) processor. It gives you a host of advanced editing features, all easily accessed through on-screen prompts. You can call up the on-line thesaurus, or check spelling with the 60,000-word spelling corrector. Provides on-screen menus and prompts for every command. Skips over menus, performs multi-step operations with one keystroke.

SYSTEM

APPLE II +, IIC, IIE, IIGS

APPLE II, II +, IIC, IIE, IIGS

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

3 1/2-inch disk

3 1/2 and 5 1/4

MEMORY

128K

128K

128K

PRICE

\$79.95

\$79.95

\$79.95

LEARNING CO. (THE)**CHILDREN'S WRITING & PUBLISHING CENTER****(VER. 1.1)**

ISPN 43870-275

Ages 8-14: Combines word processing and desktop publishing so children can create stories, letters and newsletters.

CHILDREN'S WRITING & PUBLISHING CENTER is a powerful productivity tool that helps students build written communication skills and produce a variety of beautifully illustrated documents such as reports, stories, newsletters and more. Featuring sophisticated word processing, picture selection and page design capabilities, the program can be readily integrated into many curriculum areas. The School Edition includes a set of program disks and backups; a Teachers Guide with Scope & Sequence Chart; on- and off-line activities; blackline masters; and a special Template Disk for use with student activities.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

Requirements: Dot-matrix printer.

APPLE IIGS

Requirements: Dot-matrix printer.

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

3 1/2-inch disk

3 1/2 and 5 1/4

MEMORY

128K

512K

384K

PRICE

\$59.95

\$59.95

\$69.95

DACEASY, INC.**DAC-EASY WORD (VER. 3.0)**

ISPN 22137-390

An easy-to-use, full-featured word processor. Includes a 70,000-word spell checker.

DAC-EASY WORD II is the latest update to a popular, inexpensive word processing system. With it you can access a variety of advanced functions with little or no prior word processing experience. Permits mail-merges with Dac-Easy Payroll (ISPN 22137-375) employee list and Dac-Easy Accounting (ISPN 22137-330). Detects repeated words, incomplete sentences and open-ended parenthetical phrases. 'Undeletes' erased words or sections. Provides windows for as many as four documents. Provides search, cut and paste, automatic tabs and margins. Presents help screens in plain English.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$69.95 |
| <i>Requirements: Two disk drives, 132-column printer in compressed mode.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$69.95 |
| <i>Requirements: Two disk drives, 132-column printer in compressed mode.</i> | | | |

WORDSTAR INT'L.

EASY EXTRA

ISPN 53000-235

Adds Easymail to Easy for a comprehensive word processing and mail processing package.

EASY EXTRA generates lists, personalizes form letters and prints labels and envelopes. Generates even large mailings in a minimum amount of time. You can create master address and telephone lists with as many as eight sublists for tailored mailings. Each change to a master list entry automatically transfers to the sublists. Lists can be quickly updated and sorted, with easy merging into your Easy (ISPN 53000-225) or WordStar (ISPN 53000-700) form letters. Easymail (ISPN 54731-060) provides blanks for standard addressing information, plus as many as six additional items which you can define. Ready-to-use print formats simplify printing of mailing labels, personalized letters, phone lists and more. Easymail guides you through each step with 'pop-up' menus and command prompts, and you can access additional help at any time.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.00 |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

EASYWRITER II SYSTEM

ISPN 74700-660

Provides word processing abilities including correction, spelling, mail merge and line drawing.

The pages are formatted on-screen exactly as they will be printed. The line drawing function creates graphs, charts and tables. Integrates with Easy Business System accounting modules through the Easy Plus Windowing System (ISPN 74700-090) to provide data for letters and reports. Text can be transferred from programs like SuperCalc4 (ISPN 74700-300), Lotus 1-2-3 (ISPN 45025-050) and dBASE.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$395.00 |

DIGITAL RESEARCH, INC.**GEM 1ST WORD PLUS (RELEASE 2.0)****ISPN 25550-600**

A full-function word processor that incorporates images and drawings into your documents.

GEM 1ST WORD PLUS provides sophisticated editing and graphics capabilities in a modular package. Provides multiple windows, footnote management, auto-pagination and justification and search and replace. Block operations (cut, paste, copy or move) can be keyboard-driven or done with a mouse. Gem Paint produces graphs and drawings, Gem 1st Mail gives you complete mail merge functions. GEM 1ST WORD PLUS contains a spelling checker which can be placed in either continuous or scan mode. The package can be used as a 'text engine' to GEM desktop publishing programs. Headers, footers and margins are fully adjustable. GEM 1ST WORD PLUS must be used with Gem/3 Desktop (ISPN 25550-515). Contains mouse or keyboard-driven block operations and supports a mouse or similar pointing device.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$99.00 |
| <i>Requirements: Hard disk, CGA, EGA or Hercules Graphics Adapter, GEM/3 Desktop (ISPN 25550-515).</i> | | | |

SIERRA ON-LINE, INC.**HOMEWORD PLUS (VER. 3.0)****ISPN 69925-259**

Provides a word processor and spelling checker with advanced features.

Features 80-column and 24-line screen display options, and an integrated spelling checker that can be customized. Line spacing, margins, justification, and tab settings are adjustable anywhere within the document. Offers automatic outline using decimals, numbers (Arabic and Roman), letters, and bullets. Also offers underline and boldface type styles, global search and replace, file linking and file merging. Installable on hard disk.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 128K | \$69.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 128K | \$69.95 |

AMERICAN SCHOOL PUBLISHERS**II WRITE****ISPN 65140-520**

Offers the standard features of word processors. Provides a choice of fonts, type styles, sizes and display output.

II WRITE has multiple windows which allow editing of up to four documents at the same time. Easy-to-use pull down menus and dialog boxes. Works with keyboard or Mouse. Files created with other word processors can be used with II WRITE. Includes a User's Guide, Teacher's Resource Manual and Young Writer's Activity Disk. The Teacher's Manual contains a variety of writing activities and reproducible worksheets. The Young Writer's Disk contains files for student assignments such as drafting, revising, sentence combining, journals and class newspapers.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$59.95

LOTUS DEVELOPMENT CORP.**LOTUS MANUSCRIPT (VER. 2.1)****ISPN 45525-175**

A PC-based word and document processor that effectively merges text, graphics, worksheets and tables.

LOTUS MANUSCRIPT combines word processing power and desktop publishing quality to produce important memos, proposals, reports or manuals. Provides an easy way to get results from Lotus 1-2-3 (ISPN 45525-050), Symphony (ISPN 45525-200), Freelance Plus (ISPN 45525-080) or Graphwriter II (ISPN 45525-255) into a report or proposal. Key features include: 'Hot' spreadsheet link to Lotus 1-2-3 and Symphony; full range of word processing and text editing features; sophisticated column and table handling usually found only in electronic publishing systems; integrated outliner provides global control and formatting of the document; imports graphics from a wide variety of PC applications; desktop publishing features such as winding columns, font management and automatic table of contents and index generation; thesaurus, spell checker, macros and libraries; and the high quality output available from any word processor. Supports EGA, VGA, Herc Plus and InColor, Lotus Extended Memory Specification (EMS). 640K of memory is recommended. Supports IBM PC, XT, AT and PS/2 series and compatibles including Compaq portable, Portable II, Portable III, Deskpro, Plus 286 and 386 series; Hewlett-Packard Vectra PC; AT&T 6300, 6300 Plus, Toshiba 3100. Technical support available at (617)253-9150.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$495.00

Requirements: CGA, EGA, Hercules Graphics Adapter or VGA, hard disk.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

512K

\$495.00

Requirements: CGA, EGA, Hercules Graphics Adapter or VGA, hard disk.

CLARIS CORP.**MACWRITE II (VER. 1.0)****ISPN 12784-530**

Combines all of the essential tools needed for professional quality word processing with original MacWrite accessibility.

With MACWRITE II you can create a broad range of documents from daily correspondence and short reports to sophisticated proposals, multi-column newsletters or 1,000-page manuscripts. Supplies you with precision formatting tools, custom styles or special editing capabilities. The Macintosh interface means you can focus your efforts where they belong - on writing and creating great looking documents. Edit multiple documents simultaneously. Imports/exports Microsoft-Word, Microsoft-Works, WriteNow, PICT, MacPaint and other popular word processors and graphics applications. Features multiple columns, footnotes/endnotes, page preview, fonts sizes two to 500 points, custom styles and stationery templates and a 100,000-word dictionary and thesaurus.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$249.00

MICROSOFT CORP.

MICROSOFT WORD (VER. 4.0)

ISBN 53150-732

A powerful wordprocessor featuring outlining, indexing, generation of a table of contents, column manipulation and more.

Includes creation and revision tools such as integrated outlining, integrated style sheets, and page preview. Three levels of functionality include short menus, full menus and custom menus. The user is able to create professional quality documents with page layout features such as built-in support for snaking and side-by-side columns. Works closely with PageMaker and other page layout products, and the user is able to mix graphics with text on the same line. Additional features include automatic hyphenation, advanced formatting tools such as double underline, strike through, word underline, small caps, dotted underline, letter spacing, variable superscript, variable subscript, rules above/below/around/vertically within a paragraph, variable line spacing by points, four types of tabs, plus leader characters, mathematical typesetting, and access to all fonts in any font size. A built-in data exchange features Quick-Switch to graphics programs and MicroSoft Excel, exchange of data with leading products in the IBM PC and Macintosh environments including DCA, Text only with line breaks (for electronic mail), MacWrite, Microsoft Works, and Rich Text Format (RTF). Includes word processing capabilities for Administrative Support with an integrated 80,000-word spelling correction, cursor movement, command key shortcuts, keyboard interface to the menus, mail merge, glossary, column manipulation with math, sorting, wide documents with horizontal scroll, paragraph renumbering and an active ruler that can be used while editing. Long document support features include table of contents, index, document chaining, facing pages, and flexible support for headers and footers. Added features include footnotes, sixteen that documents can be on the screen at one time, extensive window manipulation, choice of page number formats and automatic date and time functions. Works with any Macintosh compatible printer. Also available on 400K disks. Supports the ImageWriter LQ.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$395.00

Requirements: 800K disk drive.

MICROSOFT CORP.

MICROSOFT WORD (VER. 5.0)

ISBN 53150-731

A word processing package that enables the user to organize, create and print professional, quality documents.

MICROSOFT WORD includes an outline processing feature which allows the user to type in thoughts as they come to mind, then add structure, organize and prioritize. Long documents can be organized around major headings and restructured by moving the pieces around on the outline. Paragraphs and sections can be numbered with several options. Allows the user to automatically revise the numbering scheme when blocks of copy are moved or removed. Handles multiple documents in separate screen windows and allows text to be moved back and forth between them. The user can create newspaper-style columns or columns of numbers to perform simple mathematical operations. Lists can be organized and sorted either alphabetically or numerically. An optional graphics card allows the program to display special character formatting and is compatible with dot matrix and letter-quality printers. Includes built-in style sheets which allow the user to standardize the appearance of letters and reports or the glossary

which allows the user to assemble complex documents by inserting standard clauses. Indexes and tables of content can be generated. The interactive, self-paced tutorial guides the user step-by-step through every feature of the program. Optional hardware includes the Microsoft Mouse in the bus or serial version and a graphics adapter card which is required to display on-screen character formatting.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$450.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$450.00 |

MICROSOFT CORP.

MICROSOFT WRITE

ISPN 53150-800

Creates straightforward, lightly formatted documents with word processing capabilities. Includes an 80,000-word spell checker.

Features the ability to create footnotes and columns of text. Can have sixteen documents on the screen at same time. User can view the document's layout with Page Preview, draw vertical lines and reposition columns in tables. Includes an on-line help screen. Provides file compatibility with Microsoft Word (ISPN 53150-732).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$125.00 |

DELTAPOINT, INC.

MINDWRITEEXPRESS

ISPN 00506-510

Provides integrated outlining with application-to-application connectivity solutions between PC's, mini computers and mainframes.

MINDWRITEEXPRESS provides outlining, selective word count, automatic table of contents, automatic revision tracking and change bars and document exporting. Working over AppleShare (ISPN 3900-100) and other network servers, MINDWRITEEXPRESS reads and writes documents created in WordStar (ISPN 53000-700), Multimate (ISPN 74137-100), WordPerfect (ISPN 68012-600) for VAX, DataGeneral and PC's, VAX WPS+, Wang VS, DCA-RFT, and the document formats available in MindWrite (ISPN 00506-500). Includes Spellswell (ISPN 92154-750), a spell checker and proofreader. Allows selection of text with arrow keys, search and replace, and color support for the Macintosh II. Users can define their own labels for outline headings and navigate through an outline hierarchy using the arrow keys. Users can read and write Microsoft Word (ISPN 53150-732), MacWrite (ISPN 12784-530), text only files, read ThinkTank (ISPN 45081-100) outlines, and import documents directly into PageMaker 3.0 (ISPN 2226-700).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$250.00 |

Requirements: Two 800K disk drives or a hard disk, network.

ASHTON TATE/MULTIMATE INT'L.**MULTIMATE ADVANTAGE II (VER. 1.0)****ISPN 55718-300**

Includes a direct dBASE merge, unlimited un-do, delete, column mode and support for over 400 printers.

The user has the option of using pull-down menus or key combinations to perform editing, printing and document handling functions. Includes alphabetic or numeric list sort, auto-hyphenation and six-function math capabilities. The column mode permits up to eight columns of text to be created, edited and printed on a single page. Line and box drawings highlight text. Additional features include section numbering, a table of contents, footnotes, key procedures and libraries. The 110,000-word dictionary includes specialized legal and medical terms. The user can add personalized words and phrases to the custom dictionary for consistent spelling of names, acronyms and technical terms. The built-in thesaurus contains over 40,000 root words and 470,000 synonyms. The 'hot start' and 'hot print' options enable the user to bypass the menus and complete a job more quickly. The user can choose between document or page orientation depending upon the need at the time. Directly merges dBASE .dbf file information with documents. The ASCII import file feature allows the user to convert file such as Framework II and Rapidfile. Converts data from WordStar, Lotus 1-2-3, IBM Displaywriter, Honeywell computers and WANG dedicated word processors. The integrated mail list manager called 'On-File' allows the user to sort on three fields, in either ascending or descending order and search by subject, date, index word, color, word or phrase. Supports over 400 printers including laser printers. The maximum number of pages per document is 250 pages. Maximum page length is 150 lines. Maximum page width is 156 characters. The maximum number of data fields in a merge data file is 255 per page.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

3 1/2 and 5 1/4

MEMORY

384K

PRICE

\$565.00

ASHTON TATE/MULTIMATE INT'L.**MULTIMATE ADVANTAGE II LAN (VER. 1.0)****ISPN 55718-200**

Provides full-featured word processing, networking, filelocking and sharing, printer enhancements and user-customizable defaults.

MULTIMATE ADVANTAGE II LAN gives the user the option of using pull-down menus or key combinations to perform editing, printing and document handling functions. Includes alphabetic or numeric list sort, auto-hyphenation and six-function math capabilities. The column mode permits up to eight columns of text to be created, edited and printed on a single page. Line and box drawings highlight text. Additional features include section numbering, a table of contents, footnotes, key procedures and libraries. The 110,000-word dictionary includes specialized legal and medical terms. The user can add personalized words and phrases to the custom dictionary for consistent spelling of names, acronyms and technical terms. The built-in thesaurus contains over 40,000 root words and 470,000 synonyms. The 'hot start' and 'hot print' options enable the user to bypass the menus and complete a job more quickly. The user has a choice of either document or page orientation. Directly merges dBASE.dbf file information with documents. The ASCII import file feature allows the user to convert files such as Framework II and Rapidfile. Converts data from WordStar, Lotus 1-2-3, IBM Displaywriter, Honeywell computers and WANG dedicated word processors. The integrated mail list manager, On-File, allows the user to sort on three fields, in either

ascending or descending order, and search by subject, date, index word, color, word or phrase. Supports over 400 printers including laser printers. The maximum number of pages per document is 250 pages. Maximum page length is 150 lines. Maximum page width is 156 characters. The maximum number of data fields in a merge data file is 255 per page.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 640K | \$1495.00 |
| 3COM 3+ | 5 1/4-inch disk | 640K | \$1495.00 |
| NOVELL NETWARE 286 2.0A | 5 1/4-inch disk | 640K | \$1495.00 |

Requirements: DOS 3.X.

PARAGON CONCEPTS, INC.

NISUS (VER. 1.01)

ISPN 59740-100

A full-featured text editing package that includes integrated graphics tools.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$345.00 |

SOFTWARE PUBLISHING CORP. (WI)

OFFICEWRITER (VER. 6.1)

ISPN 57718-100

Provides a full-featured word processing program with emphasis on desktop publishing.

OFFICEWRITER contains a complete user guide, OfficeLink Series, OfficeSpeller dictionary and thesaurus, and Reference aids. OfficeLink Series is a two-way document conversion utility that helps user exchange documents with Wang, IBM DCA and other dedicated word processors or MultiMate and WordStar without altering document format. Incorporates information from dBASE, Lotus or other popular programs. OfficeSpeller's 80,000 word dictionary checks the spelling of a single word or an entire document and also contains a 40,000 word thesaurus. Reference aids include a calculator to add, subtract, multiply, divide and figure percentages allowing the user to manipulate numbers in vertical or horizontal columns. Available in single and multi-user versions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$495.00 |

ELECTRONIC ARTS

PAPERCLIP III

ISPN 28512-029

Enhances the PaperClip II program with a 40,000-word spelling checker, outlining, character set edit and 129 RAM support.

PAPERCLIP III includes a telecommunications module, outliner and Random Access Memory disk support. Features an 80-column screen and 1571 drive burst mode. Compatible with all previous PaperClip versions. Corrects errors quickly, checks

spelling, cuts and pastes blocks of text from one place to another, and creates footers and headers. Contains an editing tool (Instant Phrases) which lets the user save typing time by assigning commonly used phrases or words to a specific key. Column Editing allows users to move, delete, sort and add columns of text. Key formatting features include automatic generation of table of contents, and a built-in outliner which provides a method of preparing a complex document, organizing and keeping track of indentation and paragraph numbering. Features a 40,000-word expandable dictionary and built-in telecommunications capabilities allowing complete and easy transmission or reception of text by modem at the same time the program is running.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$49.95 |
| <i>Requirements: Printer interface.</i> | | | |

WORDPERFECT CORP.

PERSONAL WORDPERFECT (VER. 4.1)

ISPN 68012-200

All of the advanced WordPerfect capabilities you need for everyday writing and editing jobs.

PERSONAL WORDPERFECT will satisfy most non-specialized word processing needs at a considerable savings from the original. You can compose and edit correspondence, reports and more in the standard WordPerfect format. Its files are compatible with WordPerfect (ISPN 68012-600) to make upgrading easy. Includes speller, thesaurus, type-through and outline. Provides most 'big league' features. Mail-merge, macros and math not included.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 192K | \$195.00 |

SCHOLASTIC, INC.

PFS-WRITE

ISPN 68075-078

An inexpensive, multi-function word processor with a 75,000-word spelling checker.

PFS-WRITE is a multi-purpose word processing package that lets you display your documents exactly as they will appear when printed. You need no special skills or instruction to begin composing and editing documents in minutes. You can use the mail merge function with your address listings to create personalized volume correspondence. Permits block editing, search and replace and provides mail merge for personalized form letters.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-------------------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$32.95 |
| <i>Requirements: Printer.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$32.95 |
| <i>Requirements: Printer.</i> | | | |

SOFTWARE PUBLISHING CORP. (WI)**PROFESSIONAL WRITE (VER. 2.1)**

ISPN 57718-600

A 'do-it-all' correspondence and report package for business.

PROFESSIONAL WRITE is designed for business professionals who need to produce documents quickly and easily. Offers a graphical page preview, allowing users to view documents and make font changes before printing. The graphical page preview includes font sizes, type styles, line and page breaks and allows users to ensure the document meets their specifications prior to printing. Managers and professionals can learn as they go with an on-line manual and context-sensitive help. Features are easily found with pull-down menus. Frequently used features are quickly accessed using speed-key shortcuts and repeated tasks are automated with macros. PROFESSIONAL WRITE reads and writes files from other popular word processing programs. Directly imports Lotus 1-2-3 (ISPN 45525-050) worksheets and dBASE III (ISPN 05500-160) or Professional File (ISPN 73300-080) data. Comes with preset-to-print fonts for popular laser printers including HP LaserJets, Apple LaserWriters and PostScript compatibles. HP LaserJet font cartridges and selected soft fonts are also supported. In addition, the software has a built-in 77,000-word customizable dictionary and 22,000-word thesaurus and an on-line address book for organizing up to 2,000 business contacts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$229.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$229.00 |

SYMANTEC**Q&A WRITE (VER. 1.01)**

ISPN 77413-700

A full-function word processor that supports operations with many other programs.

Q&A WRITE allows you to run Lotus 1-2-3 (ISPN 45525-050) and dBASE II or dBASE III (ISPN 05500-160) directly from its main menu. You can mail merge with Lotus 1-2-3, dBASE, Q&A (ISPN 77413-695) or any ASCII data file and use the full range of text styles in a document (bold, underline, italics, superscript, subscript and strikeout). Supports macros for quick entry of multi-keystroke commands, expanded memory specification, DCA import and export and direct ASCII export. You can define global options to control editing and exporting files as well as setting tabs and column spacing. Features include a spelling checker, multi-column printing, envelope and label printing, line and box drawing, micro-justification and standard and decimal tabs. Permits up to nine fonts in a document. Offers advanced functions such as column and row math line and box drawing, search and replace and more.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$199.00 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$199.00 |

WORKING SOFTWARE, INC.

QUICKLETTER (VER.1.01)

ISBN 92154-600

A desk accessory based word processing program designed for writing letters and printing envelopes.

QUICKLETTER provides a built-in address book which allows you to paste a name, address and salutation directly into your letter or envelope. Allows you to include pictures on the letterhead and envelopes. Page Preview includes automatic vertical centering of the letter on the page while the picture letterhead stays still. Allows the user to print an envelope of any size with the option to place text or graphics in the return address and top and left message areas. Provides the user with full control over font, point size and style.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

Requirements: 800K disk drive.

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$124.95

SAMNA CORP.

SAMNA WORD IV (VER. 2.02)

ISBN 67737-850

Provides on-screen columns, graphics and text, footnotes and forms processing functions for a company's administrative needs.

On-screen columns enable the user to move, copy, delete, insert and create newspaper columns. Integrates graphics and text. Processes forms and equations. Sorts text or numeric data. Gives the user the choice of two keyboard layouts and other language boards. Provides automatic line numbering and a document information page. Supports DIF and Navy DIF format, DCA revisable and final form text and ASCII translation. Supports 'hot keys'. Includes a five function math mode. Supports multiple printers. Provides landscape, odd/even and selective page printing and print cancelling. Accommodates multiple fonts with up to 30 different fonts on the same document. Proportional printing is available. The user-defined default page includes printwheels, sheet feed, default directory, print options, keyboards and color displays. Footnote features include a specified starting number and footnote length, choice of numbering style and automatic placement in existing text. Documents can contain up to 30 headers/footers and a listing of first, second, last and sectional options. Features automatic merge capabilities with selection and sort functions for 99 fields. 'Boilerplate' paragraphs can be stored and are accessible by ID. Automatically generates index's and table of contents. Contains user-defined keys or MACROS. The user can copy, move to buffer or file and insert in a new location. Functions include bold, center, caps, justify, underline, super/subscript and double-underline. Cursor movement can be forward, backward and by word, line, sentence, paragraph, page or file. Section outline numbering can have up to six levels, three pre-defined styles and one user-defined styles. Typing is directly from the keyboard to the printer. Two files can be displayed and edited at the same time. Paging and re-paging includes widow/orphan control, exact lines, paragraphs and required page breaks. The user can search and replace with attribute and case considerations. Electronically folds wide documents. Includes zoom and line drawing. Initial and extended support is available. Provides a tutorial and an illustrated, alphabetized reference manual. On-site training is available from the vendor.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$595.00

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$595.00

BORLAND INT'L.**SPRINT****ISPN 08225-700**

A package for upgrading and customizing your word processor. Reads ASCII files directly.

SPRINT interfaces with your word processor to let you build your own superfast custom system. Dozens of automatic and direct read functions combine with your customized instructions to produce the most efficient system possible. You can open and work on up to 24 files at once. Custom setup lets you redefine keys, delete menu items, invent menus and create quick reference cards. If you're unsure of a word meaning or spelling, you can consult SPRINT's 100,000-word dictionary or 220,000-word thesaurus. All help is context-sensitive, under a topic index. Additional features include on-screen bolding and centering, underlined subscripts and superscripts, mail merge, sorting and placemarking, line drawing and integrated mouse support. Comes with interfaces for EMACS (ISPN 61975-350), WordStar, Microsoft Word, MultiMate, WordPerfect and SideKick (ISPN 08225-085). Supports file conversion from MicroSoft Word (ISPN 53150-731), WordPerfect (ISPN 68012-600), MultiMate (ISPN 55718-300), WordStar (ISPN 53000-700) and DisplayWrite. Provides widow and orphan control, hyphenation and automatic kerning and ligatures. Houses a built-in compiler, separate source files and extensive macro capabilities. Saves files with hard carriage returns for electronic mail. Supports multiple columns and split screen previews to a screen. Allows one to six window viewing. Numbers pages and paragraphs automatically and creates indexes. Saves footnotes and endnotes automatically and is completely customizable.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$199.95

MEDIAGENIC/ACTIVISION PRESENTATION TOOLS**TERM PAPER WRITER****ISPN 00837-595**

Helps write and format school term papers with four easy steps.

TERM PAPER WRITER includes Notetaker, an electronic card file that helps you collect information and organize it by source and by topic, and the Outliner, which helps the student organize lists of ideas into topical groups or prepare an outline. The user can also transfer his or her outline directly to the writer file. The Writer is a full-featured word processor that lets the user manipulate entire blocks of text, add, delete, insert, edit, boldface, underline and center. Additional features include the ability to search and replace words or phrases, even format long quotations, and the Footnoter and Bibliography Compiler that inserts footnotes on the appropriate pages and compiles the users bibliography by drawing all the information directly from notes.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$49.95

VOLKSWRITER, INC.

TOTAL WORD (VER. 1.2)

ISBN 44675-250

Integrates word processing with desktop publishing capabilities.

Allows the user to view graphics, equations, columns, relative type sizes and overall page layout on-screen, before printing. Takes full advantage of the HP LaserJet or PostScript printer to print high-quality typesets and graphics. Installing and using font cartridges and soft fonts is fully automated. The user selects the typesets desired from a menu. Scientists and engineers who work in mathematics, physics, chemistry or biochemistry can construct and print vertically stacked equations and other specialized text using over 250 special characters, without having to learn a special equation language. Volkswriter's own HP compatible, downloadable soft font, is included. Gives the user a choice of five typesets. Enables the user to capture, enlarge, reduce, and print any graphic image, from any program, without Windows, GEM or metafiles. Tabs, margins, indents and typefaces set up while editing are automatically remembered and applied to future documents. The user can locate and identify documents, display subsets of directory listings, and automatically store work to guard against unexpected losses. Automatically compiles and prints footnotes, tables of contents, indexes and lists according to user-defined criteria. The user can design data entry forms for compiling mailing lists, sort them, and send personalized form letters. An abbreviation facility allows the creation and storing of abbreviations for frequently-used 'boilerplate' text and command strings. The user can work on two documents at once. Automatically hyphenates words that are too long to fit on a line. Locates words or commands anywhere in a document and automatically replaces them with new ones. Contains a 300,000-synonym thesaurus and a 170,000-word spelling checker. Built-in calculating power includes addition, subtraction, multiplication, division, percentages and subtotals. Features undelete and word count. Line and box drawing is available for creating organizational charts or flow diagrams. Many features, such as automatic backup and saving of files, can be customized to suit individual needs.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

420K

PRICE

\$495.00

VOLKSWRITER, INC.

VOLKSWRITER 4 WITH CORRECT GRAMMAR

ISBN 44675-125

Contains a word processor that can check your grammar, spelling and punctuation.

Features include: Integrated spelling checker and grammar corrector; automatic hyphenation, sorting, decimal tabs; four function math; TextMerge (mail lists) and style sheets; multi-line alternating headers, footers; chapter-end footnotes; horizontal scrolling to 250 characters; automatic reformat; line spacing shown on screen; files up to 1,000,000 characters long; DCA file conversion; communications filter; print queueing; multilingual characters; and scientific characters. VOLKSWRITER 4 WITH CORRECT GRAMMAR supports over 400 printers.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$199.00

Requirements: Two disk drives or one disk drive and a hard disk.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

640K

\$199.00

Requirements: Two disk drives or one disk drive and a hard disk.

TIMEWORKS, INC.

WORD WRITER-PC (VER. 6-2.1)

ISPN 82000-501

An integrated word processor, 90,000-word spelling checker, 60,000-word thesaurus and outline processor.

WORD WRITER-PC is an all-in-one word processing package providing many labor-saving utilities. You can store name and address lists to be merged with letters and forms. The menu-driven program has a full-screen format that scrolls up to 250 characters and allows you to view your entire document before printing. You can incorporate text with numerical data and as many as 20 columns of information for a customized report. You can also make use of a built-in five-function calculator, document chaining, horizontal scrolling, underlining and automatic headers and footers. WORD WRITER-PC even lets you mix single and double spacing within the same document. It will interface with Data Manager PC (ISPN 82000-095) and Swiftcalc PC (ISPN 82000-372). WORD WRITER-PC also gives you a user-expandable dictionary, a thesaurus for locating synonyms and an automatic outliner and organizer. Provides mail merge and column auto-formatting. Adds 1,000 additional words of your choice to the dictionary and organizes notes, facts and ideas into a convenient outline form.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |

WORDPERFECT CORP.

WORDPERFECT (VER. 5.0)

ISPN 68012-600

Integrates text and graphics, provides automatic referencing, intelligent printing and multi-national character support.

WORDPERFECT allows graphic images to be placed anywhere on the page and can be inserted in a line, tied to a paragraph or placed in a header or footer. It is possible to crop unnecessary space, include a caption and indicate the style and thickness for printing a border. Designed to work with leading graphics formats and programs. The Style feature enables the user to combine a series of codes that specify the format of text in the used document. A style definition may be created for any frequently used format. Provides an automatic reference feature, allowing the user to mark a reference once and have it updated as page numbers change. When defining a macro, the user can include a description (up to 60 characters) which will be ignored during macro execution. A macro editor and an extensive list of predefined macros are included. The Master Document feature combines files for generating tables of contents, lists, indexes, footnotes, endnotes, references and page numbers. Inches, centimeters and points are used for setting spacing, margins and tabs. Fonts may be mixed on a page and changed at random without affecting margins, tags or column definitions. Print attributes include fine, small, large, very large, extra large and colors for color printers. Over 1,000 characters are supported including Greek, trademark, copyright and math symbols. The Kerning feature allows for space reduction between specific letter pairs, which eliminates unnecessary white space. If the user wishes to compare a revised document on screen to an existing document on disk, use the automatic redline/strikeout feature. The Preview feature lets the user display an entire page of text and graphics at once. The Parallel Columns feature lets a parallel column extend beyond a page break. Spacing may be changed in a column. Includes a thesaurus and provides on-line help screens. The Spelling feature checks a word, a page or an entire document.

for misspelled words, unintentional double words and typographical errors. Prices for UNIX, VAX and Data General computers vary according to machine.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT OS/2 1.0+ | 3 1/2-inch disk | 640K | \$549.00 |
| IBM/MICROSOFT OS/2 1.0+ | 5 1/4-inch disk | 640K | \$549.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$495.00 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$495.00 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |

WORDPERFECT CORP.

WORDPERFECT (VER. 5.0) NETWORK

ISPN 68012-650

Integrates text and graphics and provides automatic referencing, intelligent printing and multi-national character support.

WORDPERFECT NETWORK offers advanced integration of text and graphics. Graphic images and text may be placed and integrated anywhere on the page. Newsletters, reports and other professional documents are easily generated, scaled, rotated and presented in many styles within WORDPERFECT. Contains a Preview feature which lets you display an entire page of text and graphics at once. The Style feature provides the capability to combine text and codes to generate special text appearances such as chapter headings, subheadings and more. WORDPERFECT offers advanced columns, fonts and printing capabilities. Up to 24 side-by-side columns(newspaper or parallel) can be displayed. Over 1,700 characters are supported, since fonts can be mixed and changed at random within the document. WORDPERFECT rich printing supports hundreds of popular printers. Offers a 115,000-word Speller which checks for spelling, typographical errors and double words. The Thesaurus helps you find synonyms and antonyms. WORDPERFECT has versions running across multiple platforms such as Macintosh, OS/2, DOS, UNIX, VAX-VMS, IBM 370, Amiga and more. DEC VAX-VMS works with WordPerfect 4.7 to 5.0 and IBM 370 works with WordPerfect 4.2. Price varies per system and according to the number of workstations. This program is multi-user. Supports mouse, CGA, EGA and VGA. For technical support call (800)541-5096.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$695.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 512K | \$695.00 |

WORDPERFECT CORP.

WORDPERFECT FOR THE AMIGA

ISPN 68012-616

Features pull-down menus, multiple on-screen windows, a spell checker and merge capabilities.

Uses pull-down menus with the Amiga mouse. Up to 32 multiple on-screen windows allow the user to work on several documents at the same time. Spell-check a paper in one window, use the Merge feature to personalize a letter in the next, and import files from a third-party communication source in the next. Enables the user to read in WORDPERFECT files from Apple II, Atari, Data General, IBM, Macintosh and VAX machines, and vice versa. Features on-screen help. The spell checker contains over 115,000 entries and is expandable. Checks the spelling of a word, page, or an entire document. Automatically counts the number of words in a document and displays a

number of possible alternatives on the screen. The Speller can be used to search for words using word patterns. The Math feature helps create ledger sheets and accomplish basic accounting procedures, and can be used anywhere in a document. Adds subtotals, totals, and grand totals up to 24 columns. A special numeric column displays totals to the left of the column. The Math feature allows the user to set up formulas across columns using addition, multiplication, division, and subtraction. When the user changes any of the numbers in a math table WORDPERFECT automatically recalculates the totals. Numbers pages automatically, according to the numbering system selected by the user. Page numbers can be either Arabic or lower case Roman numbers, and the user can begin page numbering at any page desired. Whenever a page number is changed all subsequent pages are automatically renumbered. When a footnote or endnote is entered, WORDPERFECT takes care of numbering and formatting. Enables the user to place footnotes on each page and allocate the correct amount of space for them. The user can add or delete a note or begin renumbering footnotes at any point in the document. From the List Files window, the user can scan documents or files one by one, or have the program show which files contain a certain key phrase. Enables the user to copy, print, delete, or retrieve any document. Using the Macro feature, the user can record the word processing tasks which are performed frequently and repeat one of the tasks. A macro can contain any series of keystrokes, including text and commands, with no limit to number or size. Merge capabilities enable the user to produce personalized memos, forms, and labels by merging data from a name/address list into a customized format. Simple lessons walk the user through basic merge procedures such as personalized memos. Advanced lessons help take maximum advantage of the flexibility of the Merge feature. Helps the user compile a professionally organized table of contents, index, or outline. It is possible to define up to five levels for each table of contents and up to seven levels for an outline. An index can include both headings and subheadings. The user can also define the styles for the index and table of contents format. The Thesaurus shows an on-screen list of synonyms and antonyms arranged in noun, verb, and adjective groups. When sent to the printer, the document will continue printing after WORDPERFECT is exited. Allows the user to select definitions for as many as six different printers. From the Printer Control menu, a page, a range of pages, or a complete document can be printed. Displays the status of pending jobs and allows the user to start or stop print jobs, change job priorities, or postpone or cancel any or all print jobs. Columns can be placed anywhere in a document, up to five across. The newspaper-style (snaking) columns move text continuously from one column to the next. Parallel-style (script) columns hold groups of items together. Automatically calculates the correct width and spacing with the option of customizing the settings. While writing, text automatically formats itself on the page. The user can define a block of text and perform several functions on that block. The user can insert, move, copy, and delete text. For built-in security, the program saves the last three deletions in a buffer. Programmed in assembly language. Document edit space automatically extends to disk, making it possible to edit documents much larger than memory space available. The only limitation to document size is the amount of free disk space. Includes a comprehensive manual with alphabetized descriptions of the basic features, and lessons which introduce the user to these features a step at a time. A color-coded template and Quick Reference card are provided as guides to feature location and use. Includes predefined printer drivers to support over 200 printers. Registered WORDPERFECT users can receive toll-free technical support at no additional cost. Two disk drives or a hard disk are recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|----------------------|----------------------|---------------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$250.00 |
| <i>Requirements: Kickstart (Ver. 1.2).</i> | | | |

WORDPERFECT CORP.**WORDPERFECT FOR THE APPLE IIE/IIC (VER. 1.1)****ISPN 68012-804**

Provides word processing with a speller, file management, macros, merge capabilities, editing, footnotes and printing features.

Helps organize and manage files. The List Files command shows the free space remaining on the disk and an alphabetical list of files. The user has the option to list all the files on a disk or just a specific group of files. Listed for each file shown is the file name, file type, file size, date and time the file was created, and date and time it was last edited. Then the user can format a disk, retrieve a file, delete, rename or lock files, create a directory, change directories, or print a WORDPERFECT document from the List Files screen. The Merge feature lets the user combine data from two or more different sources into a single document. Automates many office procedures such as making personalized letters, memos, forms, labels, reports, and contracts. The Macros facility will define a series of keystrokes and then execute them. Printing controls allow printing of an entire document, a single page, a range of pages, or just a block of text. Also prints six or eight lines per inch, and characters can be printed in superscript or subscript. Compatible with over 50 printer cards and 230 printers. The user can insert text into the document or type over text already in the document. Has the ability to search and replace any word or phrase. Numerous Block features make it easy to bold, underline, cut, or copy blocks of text. Moves sentences, paragraphs, pages, or blocks of text within the document. The user can also edit the document's format. The formatting codes can be viewed by using the Codes command to reveal the Codes screen. The Speller's 50,000 words check the writing for misspellings and double word occurrences. The Speller checks a word, a page, or the entire document and adds words to or deletes words from the Speller dictionary, and counts the number of words in a document. The footnoting feature streamlines creating, editing, and deleting footnotes. If an addition or deletion of a note occurs, it will automatically renumber the notes. Leaves the correct amount of space for the footnotes at the bottom of each page. Presets margins, tabs, line-spacing, and page length. A page can be centered vertically, and can be numbered automatically beginning at any point in the document. Font sizes can be changed within the document. A Hyphenation feature prompts the user when hyphenation is necessary, and allows positioning of the hyphen. The Help feature shows a list of features and their respective commands. The Tab Align feature automatically aligns text on a decimal point or on another character. The current date and time can be inserted automatically into the document. Includes an installation program that takes advantage of expanded memory cards and other ProDOS compatible hardware. Includes an illustrated user's manual complete with a comprehensive reference section and step-by-step lessons. Includes a color-coded template and a Quick Reference guide for access to basic functions.

SYSTEM

APPLE II +, IIC, IIE

MEDIUM

3 1/2-inch disk

MEMORY

128K

PRICE

\$179.00

WORDPERFECT CORP.**WORDPERFECT FOR THE APPLE IIGS (VER. 2.1)****ISPN 68012-802**

Provides word processing with a speller, thesaurus, macros, merge capability and automatic footnoting and outlining.

Margins, line spacing, tabs, and page length are preset which will center a line of text between margins, on any column, or align it with the right margin. Indents paragraphs

from the left, or from both the left and right margins. The user can have two different headers and/or footers in the document, and change them whenever it is necessary. Adjusts page lengths to accommodate footnotes at the bottom of the page and compiles endnotes at the end of a document. Lets the user define the numbering style and spacing for notes. Footnotes and endnotes can be in the same document and differentiated by referencing them with either characters, numbers, or letters. When a note is added or deleted, WordPerfect rennumbers the remaining notes. Can also begin renumbering the footnotes at any point in the document. Edits and organizes documents, and cuts, copies, or pastes blocked text. Additional edit options enable the user to type over existing text, change blocked text from upper to lowercase and vice versa, and move sentences, paragraphs, or pages around in the document. The text can be underlined or boldfaced as it is typed or boldface and underlining can be added to existing text. Gives a choice of four different underline styles. Features a Thesaurus that contains listings of synonyms and often-used antonyms for thousands of words to help find the precise word for each application. Each listing is arranged in noun, verb and adjective groupings, and divided into subgroups which fall under the same basic meaning. The lists are cross-referenced. Choosing a highlighted word in one list will bring up another listing for comparison. Displays as many as three different listings, side-by-side, on-screen. Once the word is found, it can be inserted into the text. Contains a 115,000-word Speller that will spell-check a word, page, or a complete document. Searches for misspelled words, double words, and typographical errors. When the Speller detects an unfamiliar word, it displays a number of possible alternatives on the screen. The Speller counts the number of words in the document. The Speller is also expandable, letting the user add any uncommon words, abbreviations, or acronyms that are often used. Enables the user to select and adjust the on-screen colors in normal text, bold and inverse-bold text, and the background. Formats a disk or creates a new directory. Retrieves, deletes, renames, or prints selected files, and locks a file. Customizes the ProDOS prefixes that are used to organize files on the disk. Allows the user to rapidly scan the text in a file to verify its contents. Searches through the files in a directory and list only those which contain certain words or a word pattern. Includes a comprehensive manual. The reference section contains alphabetized descriptions of basic features, and its lessons introduce the user to the program one step at a time.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$179.00

WORDPERFECT CORP.**WORDPERFECT FOR THE ATARI ST (VER. 4.1)****ISPN 68012-618**

Features pull down menus, multiple on-screen windows, a spell checker and merge capabilities.

WORDPERFECT FOR THE ATARI ST uses pull down menus with the Amiga mouse. Up to 32 multiple on-screen windows allow the user to work on several documents at the same time. Spell check a paper in one window, use the merge feature to personalize a letter in the next and import files from a third-party communication source in the next. Enables the user to read in WordPerfect files from Apple II, Amiga, Data General, IBM Macintosh and VAX machines, and vice versa. Features on-screen help. The spell checker contains over 115,000 entries and is expandable. Checks the spelling of a word, page or an entire document. Automatically counts the number of words in a document and displays a number of possible alternatives on the screen.

SYSTEM

ATARI 1040ST, 520ST

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$250.00

WORDPERFECT CORP.**WORDPERFECT FOR THE MACINTOSH****(VER. 1.0.2)****ISPN 68012-615**

Provides word processing with a speller, thesaurus, macros, merge capability and automatic footnoting and outlining.

WORD PERFECT FOR THE MACINTOSH features a FileManager which will sort and list all files, delete, rename, copy or print files, create or delete folders, combine documents and search through files which contain specified words. Allows multiple windows to be displayed, limited only by the amount of available RAM. Allows up to 24 columns anywhere in documents. Macros can be saved and nested within other macros to perform multiple sequences. Major format options are selectable by menus so both mouse and keystrokes can access them. Merge capabilities are customizable by macros. Compiles organized tables of contents, indexes and outlines and will automatically renumber them if changed. Includes a 115,000-word spelling dictionary that will spell-check a word, a block of text, a page, or document and count the words in a document. Allows sentry of uncommon words, abbreviations or user-defined acronyms. Provides an on-line thesaurus arranged in noun, verb and adjective groupings, arranged in subgroups which fall under the same basic meanings. Offers on-screen help through the Apple menu and user-definable keystrokes. Allocates the correct spacing needed for footnotes. Users can define spacing between notes, as well as the method for separating notes from the text in documents. Allows footnotes and endnotes in the same document and differentiates them by referencing them with either characters, numbers or letters. Users can set absolute tabs. Offers Print Preview for viewing documents in miniature on the screen (to check the overall appearance) before printing. Offers view of two full pages side by side. Includes a manual with alphabetized descriptions of basic features and tutorial lessons. Files are compatible with WordPerfect VAX, Data General, PC, Atari, Amiga, and Apple II files. A Quick Reference card is provided as a guide to feature location and use. Toll-free technical support available at no additional cost.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$395.00

*Requirements: 800K disk drive.***WORDPERFECT CORP.****WORDPERFECT JR****ISPN 68012-620**

A simplified version of WordPerfect for beginners and students.

WORDPERFECT JR is a simpler, but hardly watered-down version of WordPerfect (ISPN 68012-600), one of the world's most popular WP programs. Its many capabilities include forward search, one-line headers and footers, and adjustable tabs, margins and spacing. The package is ideal for students and those with basic WP and editing needs. Provides bold, underlining, hyphenation, centering and more.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$89.00

WORDSTAR INT'L.**WORDSTAR 2000 PLUS (RELEASE 3)**

ISPN 53000-725

A complete word processing system providing easy access to an extensive range of features.

WORDSTAR 2000 PLUS helps streamline even the most demanding applications with advanced capabilities including windows, format sheets, sorting, five-function math and integrated spelling correction. Easy-to-remember mnemonic commands and on-screen 'help' make this powerful word processor simple to learn and use. Offers improved performance, support for over 200 printers and 20 sheet feeders, user-customizable printer commands, Lotus 1-2-3 and Symphony files read directly into documents, footnotes printed at the bottom of the page and up to three newspaper-style columns printed on one page. Includes a built-in mailing list database system, telecommunications for sending documents via electronic mail and for accessing popular information services and automated indexing/table of contents generation. Add bold visual impact to your communications, quickly and easily. Creates overhead slides, title pages and more. Automates the process of creating and reorganizing outlines. Provides an on-line thesaurus and spelling checker. Allows you to edit up to three different documents at the same time. When you can't remember a file name simply enter a key word or phrase and all files in the current directory that contain that same information is displayed.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

320K

PRICE

\$495.00

Requirements: Two disk drives or hard disk.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

320K

\$495.00

Requirements: Two disk drives or hard disk.

T/MAKER CO.**WRITENOW MACINTOSH (VER. 2.0)**

ISPN 79465-900

Provides WYSIWYG editing, graphics in a line of text, spelling checker, four-column capability, and font sizes up to 127 points.

A true WYSIWYG (What You See Is What You Get) word processor. Edits in up to four columns directly on the screen, and displays page breaks and characters from 4 to 127 points. Can display a unique header and footer for each page. Footnotes can be automatically numbered and edited on screen. The number of open documents allowed, for cutting and pasting or reviewing, is limited only by memory. Graphic images can be part of a sentence, or a separate paragraph, and can be proportionally or freely sized. Features a 100000 word spelling checker that the user can add to or delete words from to create a personalized dictionary. The spelling checker also has a 'guess' feature that recommends the correct spelling of misspelled words. Provides mail merge capabilities, full cursor-key support, dedicated decimal tabs, MultiFinder and network capability, a window menu and a Hide Pictures command.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$195.00

XYQUEST, INC.**XYWRITE III PLUS (VER. 3.5)****ISPN 87181-410**

A command-driven word processor with nine windows, automatic hyphenation/justification, multiple column editing and mail merge.

XYWRITE III PLUS is a full-featured word processor for people who share what they write. Fulfills the needs of all word processing users with powerful command interface and easy-to-learn menu interface. Provides complete editing and formatting control, nine windows which house different files, on-line spelling checker with 100,000-word dictionary and Microlytic's WordFinder Thesaurus. The system's customizability includes remappable keyboard and ability to edit personal spelling dictionaries, help and printer files. For desktop publishing the program allows mixing fonts of different sizes within a line while displaying the accurate line endings on screen. Supports over 200 printers, including laser and PostScript printers. Produces pure ASCII text files for easy transmission to publishing programs. Offers features which enhance group editing, manage printer resources and facilitate company-wide standardization. Multi-user redlining tracks who made additions or deletions to text by capturing the user's login, date and time. Program fully supports DOS 3.0 file locking. Users can read a file stored to network drive while another edits. Network administrators can define settings that apply to each user by editing the program's configuration files. Printer selection menu lists all installed network and local printers. Supports Microsoft and Logic Mouse, EGA monitors and hard disks.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Two disk drives.</i> | 5 1/4-inch disk | 384K | \$445.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Two disk drives.</i> | 3 1/2-inch disk | 384K | \$445.00 |

188 PRODUCTIVITY/WORD PROCESSING SUPPORT

SAMNA CORP.**AMI PROFESSIONAL****ISPN 67737-101**

A full-featured word processing package with capabilities for cut, copy and paste. Contains a 130,000-word spelling checker.

AMI takes advantage of the Microsoft Windows environment to import Windows-supported graphics elements into a document and display them on the screen. Has a 130,000-word spelling checker, search and replace, headers and footers, a full 'undo' command and context-sensitive help. Users can choose between two document editing modes to meet their specific requirements. The 'draft mode' provides a text-only display of the document being edited for times when the emphasis is on content and the actual format may be distracting. In the 'layout mode', the document is seen exactly as it will be printed and the text is formatted as it is entered or edited. The dialog boxes not only display a comprehensive set of command options, but also show you the results of those selections immediately. The 'frame' feature makes the integration of text and graphics easy. Like a mini-page within a document, a frame can be placed anywhere on

the page. The text of the main document can wrap around the frame or simply flow underneath it. Frames are used to include graphics in a document and are also used to create special effects with text on the page. Graphics can be easily 'pasted' into a frame where they can be scaled, repositioned and cropped. Separates a document's text from its format so that users can easily reuse the same format for several documents, saving time and trouble while yielding consistently formatted documents. Includes a runtime version of Microsoft Windows (ISPN 53150-736). Tables-a worksheet-oriented function for formatting tabular information (includes the ability to bring in data from spreadsheets), basic math capability within the tables function and an undelete function are some of the other capabilities found in this program. Also contains automatic index generation, double underline, word underlines, document annotation capability with hideable notes, unlimited document length and more.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: 286 or 386 processor, CGA, EGA or Hercules Graphics Adapter, hard disk.</i> | 5 1/4-inch disk | 640K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: 286 or 386 processor, CGA, EGA or Hercules Graphics Adapter, hard disk.</i> | 3 1/2-inch disk | 640K | \$495.00 |

DENEBA SOFTWARE

BIGTHESAURUS (VER. 2.0)

ISPN 24765-150

Provides an electronic version of Merriam-Webster's Thesaurus with 1,400,000 synonyms, antonyms, related and contrasting words.

BIGTHESAURUS is an interactive thesaurus desk accessory that displays over 1.4 million combinations of synonyms, antonyms, related, compared and contrasted words. Contains over 100,000 root words and organizes words by meaning, with a separate definition for every group. Inserts replacement words directly into the user's word processor without loss of font or format information. Average access time is less than one second. Allows unlimited cross referencing and remembers the last 20 looked-up words. Supports multiple look-up windows open at the same time. Windows can be resized and positioned anywhere on the screen. Features user-selectable command and function keys. Compatible with 95 percent of all Macintosh software, including MultiFinder and HyperCard.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$99.95 |

REFERENCE SOFTWARE

GRAMMATIK IV

ISPN 65718-325

Uses artificial intelligence techniques to find errors in grammar, style, usage and punctuation.

GRAMMATIK IV identifies writing errors including improper use of homonyms and possessives, subject and verb disagreement, split infinitives and more. Highlights suspect problems, suggests solutions and lets you enter corrections immediately. The system parses sentences using artificial intelligence to detect true grammar errors; has full spelling check with option to add specialized dictionaries such as Black's Law (ISPN

69200-110) and Stedman's Medical Dictionaries (ISPN 69200-560) (available from Reference Software); allows users to proofread and correct writing errors instantly, without returning to the word processor; and includes readability analysis, comparison charts and statistics summary file. Network version supports increments of five users. Supports hard disk. Users can check documents for grammar and style errors and make corrections without exiting WordPerfect 5.0 (ISPN 68012-600). By pressing a hot key, users automatically save their document. Another keystroke returns the user to WordPerfect with the corrected document already loaded and a copy of the original text stored as back-up. The help screens define writing problems, quote business writing rules, offer explanations, give examples and refer the user to additional resources. Provides you with graphs to compare your documents to others and choose which documents you want to measure your work against. Allows you to choose your own writing style from business, technical, general, fiction or informal writing rules, or develop your own. Has the power to detect over 10,000 writing errors.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$99.00 |
| <i>Requirements: Single-user version. Microsoft Word (ISPN 53150-731), Symphony (ISPN 45525-200) or compatible word processing package.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$189.00 |
| <i>Requirements: 2-5 users. Microsoft Word (ISPN 53150-731), Symphony (ISPN 45525-200) or compatible word processing package.</i> | | | |

WORKING SOFTWARE, INC.

LOOKUP (VER. 2.0)

ISPN 92154-757

Provides a spell checker that can be accessed at any time from any Macintosh program.

LOOKUP checks any word that's highlighted in your document against LOOKUP'S 93,000-word spelling dictionary with a simple keystroke. If the word is found you hear a beep and can continue working without interruption. If the word is unknown, a screen appears allowing you to correct the word without leaving the application. LOOKUP will make suggestions. It will tell you that 'numonia' should be spelled 'pneumonia' and 'cloud' should be spelled 'cloud' and replaces the incorrect word in the text. There is also a 'wildcard' lookup feature. If you type 'comm?er' it will find all the words that start with 'comm' and end with 'er'. Can be used with Working Software's Medical and Legal Dictionaries. Includes 'beep-while-you-type' spellchecking. Compatible with MultiFinder.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$59.95 |
| <i>Requirements: 800K disk drive.</i> | | | |

LEXPRTISE, USA, INC.

MACPROOF (VER. 3.2.1)

ISPN 44474-100

A desk accessory that detects errors in spelling, style and usage. Works with most major word processors.

MACPROOF helps users to detect and correct errors in usage, style and spelling. Users can customize it by selecting individual checks and by updating spelling and usage dictionaries. MACPROOF allows you to check and correct spelling errors; missing marks, wrong marks and incorrectly spaced or ordered marks; word and sentence

capitalization checking; and repetition of adjacent words. Helps to avoid empty subject and weak passive constructions. Checks for verbs that have been made into nouns by the addition of the suffixes tion, ance, ence or ing.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$195.00 |

OVERDRIVE SYSTEMS, INC.

OVERDRIVE 2 (VER. 2.0)

ISPN 58934-500

Automatically organizes, assembles and merges WordPerfect documents.

OVERDRIVE 2 imports ASCII, dBASE and WordPerfect Notebook data directly into form letters, mailing labels and mail merge forms. Query by form selects a range of records directly from data files for merging with documents, form letters and mailing labels. Automatically creates file ready for assembly and printing. Print one or all at once using the power of WordPerfect (ISPN 68012-600). Multiple document assembly allows selection, assembly and printing from one to 20 documents in a single session. The Data Diary automatically stores customer information in data files. This information is immediately available for future re-use with any combination of forms in your library. Contains over 75 automated documents on disk in WordPerfect format.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$140.00 |
| <i>Requirements: WordPerfect (ISPN 68012-600).</i> | | | |
| 3COM 3+ | 3 1/2 and 5 1/4 | 512K | \$349.00 |
| <i>Requirements: WordPerfect (ISPN 68012-600).</i> | | | |
| BANYAN VINES | 3 1/2 and 5 1/4 | 512K | \$349.00 |
| <i>Requirements: WordPerfect (ISPN 68012-600).</i> | | | |
| IBM PC LAN 1.0+ | 3 1/2 and 5 1/4 | 512K | \$349.00 |
| <i>Requirements: WordPerfect (ISPN 68012-600).</i> | | | |
| NOVELL NETWARE 286 2.0A+ | 3 1/2 and 5 1/4 | 512K | \$349.00 |
| <i>Requirements: WordPerfect (ISPN 68012-600).</i> | | | |

ATECH SOFTWARE

PUBLISHER'S POWERPAK FOR WORDPERFECT

ISPN 90363-625

Enables you to scale fonts to any point size, working from inside your application. Works in conjunction with WordPerfect.

PUBLISHER'S POWERPAK FOR WORDPERFECT supports over 300 different printers at their highest resolution. Allows you to scale fonts from six up to 1,000 point on-the-fly on the way to the printer. Supports 9-pin and 24-pin dot-matrix graphics printers, ink jet and laser printers. Comes with three font typefaces similar to Helvetica, Times-Roman and Courier. Each font comes in all variations of normal, italic and bold, thin condensed, expanded, wide, hollow, hollow-exp and hollow-cond, providing over 80,000 different font combinations.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$139.95 |
| <i>Requirements: WordPerfect (ISPN 68012-600).</i> | | | |

OLDUVAI CORP.

READ-IT! OCR (VER. 2.1)

ISPN 57812-200

Provides a trainable, optical character recognition program that converts scanned images into text files.

Reads T I F F and P I C T files directly and converts them into a text file that can be used with database, word processing and desktop publishing applications. Also has the ability to read documents that contain graphics. Includes type tables for most popular typewriter and LaserWriter fonts and has the ability to learn from new type faces, allowing it to recognize an unlimited number of different fonts and sizes, including foreign and special characters. Supports Thunderscan, AST Turboscan, LoDown Image Scanner, MacScan, Dest, Datacopy, Spectrum, Microtek, Abaton 300, SF, and Flatbed. Fully compatible with Multifinder and multi-tasking. Program is not copy protected.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |
| <i>Requirements: Scanner.</i> | | | |

OLDUVAI CORP.

READ-IT! PERSONAL (VER. 2.0)

ISPN 57812-100

Converts Thunderscan files into text files. Can be used with hand held scanners as well.

READ-IT! PERSONAL reads Thunderscan files directly and converts them into a text file that can be used with database, word processing and desktop publishing applications. Also has the ability to read documents that contain graphics. Includes type tables for most popular typewriter and LaserWriter fonts, and has the ability to learn from new typefaces, allowing it to recognize an unlimited number of different fonts and sizes including foreign and special characters. Works in the background under Multifinder.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$199.00 |

RIGHTSOFT, INC.

RIGHTWRITER (VER. 3.1)

ISPN 24387-700

A grammar and style checker for word processors. This system can be customized.

RIGHTWRITER works with your word processor to help you eliminate all types of stylistic errors. It inserts recommendations directly into your text, then presents a summary critique and reading level assessment at the end of the document. The summary also assesses the strength of delivery and sentence structure as well as gives you an alphabetical list of misspelled words and words not in common usage. Points out cliches, redundant phrases, slang, passive voice and jargon. The program contains a 75,000-word dictionary which can be enlarged and modified with Rightword, a built-in vocabulary modifier which is included. Additional program functions include the creation of duplicate document(.exc) files which allow editing without alteration of the original file. RIGHTWRITER makes recommendations; you decide how to proceed. The overall

objective is to make business writing clear, concise and to the point. Works within WordPerfect (ISPN 68012-600).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT OS/2 1.0+ | 3 1/2 and 5 1/4 | 384K | \$95.00 |
| <i>Requirements: Two disk drives or hard disk, compatible word processor.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 384K | \$95.00 |
| <i>Requirements: Two disk drives or hard disk, compatible word processor.</i> | | | |

SENSIBLE SOFTWARE, INC.

SENSIBLE GRAMMAR

ISPN 69200-450

Provides a proofreading program designed to check word processing files for common writing errors.

Uses its library of over 4000 (2000 for Apple II version) commonly mis-used English phrases to identify pompous, informal, cliché, vague, wordy, repetitive, sexist, and other faulty phrases in writing. Also catches many punctuation, capitalization, and other typographical errors, such as repeated words. Shows errors in context, automatically suggests replacement wordings, and lets the user immediately replace problem phrases with the correct wording. Fully compatible with the Apple Mouse and features a Macintosh-style user interface with windows, pull-down menus, scroll bars, and dialog boxes. A complete set of keyboard commands is also supplied for Apple II owners without a mouse. SENSIBLE GRAMMAR works best on documents that have already been checked for spelling and is designed to be a companion product to the Sensible Speller (ISPN 69200-500). Macintosh version looks for incorrect tense, noun/verb, verb/modifier and noun/article agreement, plus determines readability analysis. The Macintosh version also checks for excessive word, sentence and paragraph length and misused homophones, and includes a built-in sentence editor.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$99.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 128K | \$99.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.95 |

DENEBA SOFTWARE

SPELLING COACH PROFESSIONAL (VER. 3.0)

ISPN 24765-600

Provides spelling verification, on-line reference, hyphenation and a thesaurus and dictionary with definitions.

Includes an interactive desk accessory, batch speller, Proximity/Merriam-Webster 158,000 word dictionary, 245,000 Synonym Thesaurus, 85,000 complete definitions, and interactive and batch hyphenation. The interactive features include spelling and grammar checking as typing is done, one key correction of misspelled words and Multifinder compatibility. The desk accessory Batch features allows spell checking of any section of text, or a complete document at 150 words per second, stopping at every misspelled word like traditional batch checkers or displaying all errors in a list. The stand alone Batch Speller features a full screen editor that allows last minute modification without returning to the word processor, and compatibility with MacWrite (ISPN 12784-530), Microsoft Word (ISPN 53150-732), Microsoft Works (ISPN 53150-740), MindWrite (ISPN 54387-550), WriteNow (ISPN 79465-900), More (ISPN 45081-400) and text documents. The dictionary includes 95,000 words, and 28,000 word Legal, and 35,000

word Medical dictionaries. The thesaurus is organized by meaning group. SPELLING COACH PROFESSIONAL checks for spelling errors, doubled words, abbreviations and proper capitalization. Any word can be added to the dictionary, even words containing technical symbols and foreign language characters. Compatible with Apple's Multifinder.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: 800K disk drive.</i> | | | |

ELECTRONIC ARTS

THUNDER II

ISPN 28512-740

A spell checker that works as a Control Panel Device (CDEV), making it accessible within any application.

THUNDER II is accessible within spreadsheets, databases and electronic mail. Features five types of error recognition, two dictionaries, and compatibility modules. THUNDER II catches errors in spelling, capitalization, punctuation and word doubles in any document. The program can work interactively, correcting mistakes as you type; or it can check completed documents. Because it is a CDEV, it appears automatically on the menu bar of the host application. Users can create any number of supplemental dictionaries. These can be compressed and included in the main dictionary if desired. THUNDER II has the ability to check documents at the rate of about 100 words per second.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 128K | \$79.95 |
| <i>Requirements: Any word processing, spreadsheet or database program.</i> | | | |

BEAGLE BROTHERS

TIMEOUT QUICKSPELL

ISPN 07162-515

Pops up inside AppleWorks and checks spelling in word processor documents.

With TIMEOUT QUICKSPELL, corrections to documents can be made in context (as the words appear in the document) or they may be corrected from the list of misspelled or unknown words. Suggests spellings and finds and corrects 'double words' (words that appear twice in a row). Allows the user to add an unlimited number of words to create a custom dictionary. Includes a dictionary of over 80,000 words that can be copied to a hard disk or RAM disk. Integrates with AppleWorks (ISPN 12784-100).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$69.95 |
| <i>Requirements: AppleWorks (ISPN 12784-100).</i> | | | |

BEAGLE BROTHERS

TIMEOUT SUPERFONTS

ISPN 07162-510

Gives Macintosh quality output from the AppleWorks word processor. Prints proportionally spaced characters in several fonts and sizes.

TIMEOUT SUPERFONTS contains a high quality print mode and a 50 percent reduction mode. Styles included are bold, italic, underline, shadow, outline, subscript, superscript, and inverse. Also inserts graphics into documents. Pops up inside AppleWorks (ISPN 12784-100) to print wordprocessor files in any combination of Macintosh fonts. Prints from small (6 point) to large (127 point) characters. Includes a page preview feature that lets the user see on the screen exactly how the file will be printed. Supports AppleWorks Open-Apple-O options and works on most dot-matrix printers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$69.95 |

Requirements: AppleWorks (ISPN 12784-100).

BEAGLE BROTHERS

TIMEOUT THESAURUS

ISPN 07162-511

Presents a list of synonyms to replace the original word in context while the user is inside AppleWorks.

TIMEOUT THESAURUS enables the user to place the cursor anywhere on a word, press Escape and view a list of synonyms for that word listed by parts of speech, such as noun or verb.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 128K | \$49.95 |

Requirements: AppleWorks (ISPN 12784-100).

BORLAND INT'L

TURBO LIGHTNING (VER. 1.0)

ISPN 08225-098

Compose and edit like a pro - keep the Random House Dictionary and Thesaurus at your fingertips.

TURBO LIGHTNING is your own personal editor. No more worries over missed typos or improper usage. The dictionary function checks words either as you type or at the end of each page. You enter your own definitions of technical, legal or financial terms. TURBO LIGHTNING even learns frequently used proper names. The Thesaurus function ensures that you use the correct word in context and avoid repetition. Contains an 83,000-word Random House Dictionary and a Random House Thesaurus that immediately substitutes the best synonym.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$99.95 |

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

WEBSTER'S NEW WORLD COMBO

ISPN 70387-615

A 114,000-word spelling checker plus a thesaurus with 20,000 main entries and 330,000 synonyms.

WEBSTER'S NEW WORLD COMBO integrates Webster's New World Spelling Checker (ISPN 70387-825) and Webster's New World On-Line Thesaurus (ISPN 70387-831). You

can use the spelling checker to check a single word, a specific section of text or an entire document. You can rid your text of typos. The dictionary recognizes homophones and preserves capitalization when replacing words. Catches transpositions, phonetic misspellings and spacing and corrects hyphenation, contraction, errors and repeated words. You can purchase specialized dictionary disks for medical, legal and scientific terms as well as foreign language disks. The thesaurus module contains plural forms and tense variations for all main entries. You can access multiple meanings of a given word to ensure highest clarity in your text. You can chain from one synonym to another or browse through the 'pages' alphabetically. The program tracks and remembers search paths and lets you record alternative words. WordPerfect (ISPN 68012-600), Symphony (ISPN 45525-200), Wordstar (ISPN 53000-700) and XYWrite (ISPN 87181-100). A hard disk is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$59.95 |
| <i>Requirements: Word Perfect (ISPN 69012-600) or compatible word processor, or dBASE III+ (ISPN 05500-160) or compatible spreadsheet.</i> | | | |

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

WEBSTER'S NEW WORLD PROFESSIONAL THESAURUS ISPN 70387-610

An unabridged electronic version of Webster's New World Thesaurus.

WEBSTER'S NEW WORLD PROFESSIONAL THESAURUS is a lexically intelligent synonym finder that delves into all word usage permutations. It includes American phrases such as 'deaf as a post' and 'gift of gab' and covers specific varieties like types of foreign cars, kinds of mushrooms, and poetic forms. The goal is to provide you with the word or phrase that best expresses your thought. Contains 30,000 root words and phrases and over 300,000 synonym references. You can chain from one synonym to another or browse through the 'pages' alphabetically. The program tracks and remembers search paths and lets you record alternative words. It strips suffixes and prefixes to find root words, preserves article agreement and maintains correct capitalization when replacing words. The program is compatible with Bank Street Writer (ISPN 08850-030), Dbase III Plus (ISPN 05500-160), Lotus Manuscript (ISPN 45525-175), Microsoft Word (ISPN 53150-731), Q & A (ISPN 77413-695), WordPerfect (ISPN 68012-600), Symphony (ISPN 87181-100), Wordstar (ISPN 53000-700) and XYWrite (ISPN 87181-100). A hard disk is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 360K | \$129.95 |
| <i>Requirements: Hard disk, Word Perfect (ISPN 69012-600) compatible word processor, or dBASE III+ (ISPN 05500-160) compatible spreadsheet.</i> | | | |

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

WEBSTER'S NEW WORLD SPELLING CHECKER ISPN 70387-825

A standardized dictionary database with numerous custom options.

WEBSTER'S NEW WORLD SPELLING CHECKER is a helpful editorial companion for writers at all skill levels. It will correct your spelling even if you can only spell a word phonetically. Webster's New World Spelling Checker will not distract you after each

misspelling. Instead it makes corrections when you are ready at the end of your document. It offers as many as ten possible corrections per word, displays on-screen help for all commands and offers a browse function that lets you view and add entries to the main dictionary. Contains a database of over 114,000 words. Auxiliary dictionaries can be updated at anytime. The program scans at four user-set levels, from manual to automatic, depending on the correction needs of each user. The automatic mode uses artificial intelligence techniques to fine-tune the search for correct alternatives. WEBSTER'S NEW WORLD SPELLING CHECKER works with most popular word processors, as well as text files from Symphony (ISPN 45525-200), Framework (ISPN 05500-176), ThinkTank (ISPN 45081-100) and Lotus 1-2-3 (ISPN 45525-050). You can even customize the SPELLING CHECKER to run with many other wordprocessing programs that are not already supported.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|----------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$59.95 |

MICROLYTICS, INC.

WORD FINDER (VER. 2.0)

ISPN 52573-800

A Thesaurus containing 660,000 synonyms, including multiple synonyms from contemporary vocabulary.

WORD FINDER adds interest and precision to your writing by helping you find the most appropriate word. You select from an average of 15 synonyms per word (some words trigger more than 100 synonyms), all from contemporary usage. You can use the program to clarify meanings and spellings. 'Infinite word exploration' lets you really branch out by searching complete series of synonym permutations for the exact word you want. The program's 10-level memory and near-automatic operation lets you word search without undue distractions from writing. You can even switch word processing systems with no significant interruption. WORD FINDER is compatible with Microsoft Word (ISPN 53150-731) and WordPerfect (ISPN 68012-600).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$59.95 |

MASTERSOFT, INC.

WORD FOR WORD

ISPN 47640-800

A word processing file conversion package. Supports two-way conversion among many popular word processors.

WORD FOR WORD lets you convert files between the following word processors: WordPerfect, WordStar, Microsoft Word, Multimate Advantage, Professional Write, XyWrite, DisplayWrite(DCA/RFT), Office Writer, VolksWriter, First Choice, PFS:Write, IBM Writing Assistant, Microsoft RTS, GSA Navy DIF, EBCDIC and ASCII. All converted document files can be edited and printed by the new word processor.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$149.00 |

Requirements: Two disk drives or hard disk.

TIMEWORKS, INC.

WORD WRITER-ST (VER. 2.1)

ISP# 82000-503

An efficient professional word processing system which interfaces with Timeworks Data Manager or Data Manager 2 Database programs.

Enables user to maintain and print name and address lists, create individualized form letters automatically and produce customized reports up to 20 columns wide, which can be incorporated into any written text produced by the Word Writer. Features a full screen format which scrolls up to 250 characters. Preview entire document on screen before it is printed. A menu driven program that makes it easy to computerize letters, reports, forms and memos and any accompanying numerical data. Features a spelling checker which corrects over 90,000 words. Includes document chaining, form letter printout, horizontal and vertical scrolling, underlining and more. Includes automatic footnotes and headers. Allows user to mix single and double spacing in the same document. Also comes with automatic formatting. Contains the ability to interface with Data Manager ST and Swiftcalc ST. Has an integrated outliner to organize notes, facts and ideas in a convenient outline format. Adds over 1,000 words of user's choice to the dictionary.

SYSTEM

ATARI 1040ST, 520ST

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$79.95

WORDSTAR INT'L.

WORDSTAR PROFESSIONAL (RELEASE 5.5)

ISP# 53000-820

A text-based word processor that enables creation of professional-looking documents and manuscripts with speed and ease.

WordStar - a screen oriented word processing system for non-technical personnel. MailMerge - a versatile and powerful text and data merging program. CorrectStar - a proofreader that accurately suggests corrections for typos and misspellings in WordStar documents. SpellStar - a spelling checker program that works with WordStar to find and highlight spelling and typing errors and allows the user to choose appropriate action. StarIndex- helps create an alphabetized index, table of contents and other tables and figures. WordStar Tutor - helps users grasp WordStar's potential in six quick, on-screen lessons. Features of release 5 include 'Undo', keystroke macros, line and box drawing, laser printer support, onscreen bold and underlining, 40 programmable function keys, improved speed, fully customizable installation, subdirectory path support, proportional spacing, and 14 function math. Also allows you to see a reduced version of the page you're working on in its entirety, including fonts, boldfaces, italics, underlines, superscripts and subscripts. Produces newspaper-style columns, advanced footnoting, windows for comparing and editing two documents, a speller and thesaurus complete with definitions, automatic reformatting, macros, undo and automatic save. Provides pull-down menu to help you learn the shortcuts.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 1.0+

IBM/MICROSOFT PC/MS-DOS 1.0+

MEDIUM

5 1/4-inch disk

3 1/2-inch disk

MEMORY

512K

512K

PRICE

\$495.00

\$495.00

LUNDEEN AND ASSOCIATES

WORKSPPLUS SPELL (VER. 2.0A1)

ISPN 45593-800

Piggybacks on top of Microsoft Works providing additional commands for spell checking, glossary substitution and hyphenation.

WORKSPPLUS SPELL features include spell checking at over a page per second (24,000+ words per minute) or 15 times faster than the spelling checker included with Works 2.0. Checks any selection or the whole document, looks up words in the dictionary and inserts them right into your document. The user has the option of having spelling checked interactively as he types. A beep warns of a possible misspelling. When a misspelling is found, it is highlighted and displayed in context together with a short list of alternatives. Looks at the use of upper and lower case letters and the spacing between words. Comes with a large 70,000+ word dictionary, including verb tenses, plurals, adverbs, and adjectives. Includes frequently used names, states, months, days, and abbreviations. Compatible with Microsoft Works (ISPN 53150-740) version 2.0, 1.1, and 1.0. If WORKSPPLUS SPELL was purchased after January 1, 1989 the upgrade to version 2.0a1 is free, otherwise the upgrade fee is \$30.00. Words can be added and removed to the main dictionary as required. The glossary replaced abbreviations with full phrases. Glossary phrases can be up to 255 characters long. Hyphenates on a paragraph by paragraph basis.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$99.95 |

Requirements: Microsoft Works (ISPN 53150-740).

202 EDUCATION/ADDITION/SUBTRACTION

HI-TECH EXPRESSIONS

ASTRO-GROVER

ISPN 35609-100

Ages 3-6: Lets children have fun with numbers while they learn to add and subtract.

ASTRO-GROVER takes your child, via computer, to the planet Zap where they'll play with friendly 'Zips.' Together, they'll play five number games.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$9.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$9.95 |

Requirements: CGA.

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR MATH +/-

ISPN 58655-515

Ages 6-9: Students practice basic math skills of addition and subtraction, and help the Stickybear family at the same time.

With STICKYBEAR MATH +/-, students can help the Stickybear family overcome obstacles in a series of colorful adventures by solving problems correctly. The program is designed to provide focused drill and practice in basic addition and subtraction skills. It includes single to four digit problems in horizontal and vertical addition and subtraction, missing addends and carrying and borrowing. The program adjusts automatically to meet individual needs, allowing the user to be challenged, but not frustrated. Parents and teachers can tailor the program further, for example, they can set ability levels appropriate for each student. There are 20 levels in the program. The program also keeps records for up to 25 users. A poster is included in all versions. STICKYBEAR MATH is NEA certified and has won the CES Software Showcase Award and the Evanston Educators' Award for Excellence. A color monitor is recommended. The school lab pack includes five disks and one instruction manual. This program is packaged with 3.5-inch and 5.25-inch disks:

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 48K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$39.95 |

208 EDUCATION/APTITUDE TESTING/COUNSELING

BARRON'S EDUCATIONAL SERIES, INC.

BARRON'S COMPUTER STUDY PROGRAM FOR THE ACT

ISBN 06931-090

Provides instruction in 38 skill areas, and intensive review for every kind of question on the American College Testing program.

BARRON'S COMPUTER STUDY PROGRAM FOR THE ACT provides the opportunity for users to take practice American College Testing (ACT) program exams under actual test conditions. Test scores are thoroughly analyzed, and explanations for the correct test answers are provided. Pinpoints weaknesses and strengths, and prescribes study plans according to specific skill-building needs. Features color graphics and sound effects, a diagnostic test and three complete sample ACTs, and explanations of answers to all questions. Testing Mode provides timing under test conditions and score analysis. Learning Mode provides tutorial practice, with question hints, test-taking strategies, answer explanations, and a 'second try' feature for correcting answers. Score analysis shows students their strong and weak areas. Study assignments are given after each test, focusing on those areas in which students need to build their skill. Solves math problems step-by-step. In the geometry and graph problems, the computer graphics change with each step as new data is added. Offers printout capability. Includes three double-sided disks, Barron's ACT review text, and a 48-page user's manual. The classroom edition of this package includes four sets of three disks, twenty ACT texts, twenty user's manuals, and one teacher's manual which provides the framework for forty classroom lessons covering all parts of the ACT.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$79.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$79.95 |

BARRON'S EDUCATIONAL SERIES, INC.

BARRON'S COMPUTER STUDY PROGRAM FOR THE SAT

ISPN 06931-100

Provides a diagnostic SAT containing a verbal and math review with 2,500 practice exercises and a 3000 word vocabulary builder.

BARRON'S COMPUTER STUDY PROGRAM FOR THE SAT features color graphics and sound effects. A timed diagnostic test and two timed model exams include score analysis. Weaknesses and strengths are identified in more than forty vital skill areas. Answers to all questions are explained, and a 'second try' feature is included. Students may select the untimed Learning Mode, or the timed Testing Mode to simulate actual test conditions. The computer prescribes assignments for those skill areas in which the user has weaknesses. Provides printout capability. On tests taken in the Learning Mode, the computer immediately tells students if they are right or wrong. If they are wrong, the computer offers a hint and a second chance to provide the correct answer. The next screen reveals the correct choice together with a full explanation. After each test the computer displays the following data: total number of questions, number right and wrong, and the equivalent SAT score. Students receive separate scores for each SAT section just as they will for the actual exam. Provides nearly 800 review questions to allow extensive review in all skill areas. Includes a user's manual which gives the student an overview of the entire program, then takes him through each phase of the study plan one step at a time.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

HARCOURT, BRACE, JOVANOVIH, INC.

COMPUTER PREPARATION FOR THE SAT (VER. 2.1)

ISPN 34225-200

Combines software and text material into an educational system designed to raise student SAT test scores.

COMPUTER PREPARATION FOR THE SAT times and scores practice tests and analyzes performance in 15 SAT areas. Creates personalized study plans, assigns review priorities, builds knowledge and skills and provides immediate feedback. Teaches proven strategies for high scoring and promotes test-taking confidence. The package includes operating instructions, a 430-page text with five full-length exams and software with 540 math and verbal drill items. Includes 1,000 electronic vocabulary flashcards. No computer experience is necessary.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$39.95 |
| <i>Requirements: PC JR must have basic cartridge.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$39.95 |
| <i>Requirements: PC JR must have basic cartridge.</i> | | | |

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

LOVEJOY'S PREPARATION FOR THE GMAT

ISBN 70387-460

Prepares students for the GMAT. Lets the student know if their answer is correct or incorrect and why.

Includes: two fully timed sample GMAT exams, designed to simulate everything about the real test (including an onscreen clock), 20 separate practice modules, ranging from mathematics (for those students who need a refresher course) to business judgements to situation analysis. Extensive help screens designed to aid students in analyzing a question, as well as reviewing correct and incorrect answers. An onscreen 'scratchpad' for note-taking and a four-function calculator are available at the touch of a button. Bar-graphs of scores and progress calculate projected GMAT scores. Over 150 pages on tips and strategies for taking the test, and a complete study guide of practice material keyed to the sample exams are included. A pocket edition of Lovejoy's Guide to Graduate Business Schools, listing all the U.S. business schools, with information on admissions, costs, and GMAT scores are also included.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: 80-column card</i> | 5 1/4-inch disk | 64K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$44.95 |

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

SIMON & SCHUSTER'S COMPUTER STUDY GUIDE FOR SAT

ISBN 70387-600

Helps students prepare for the SAT exam. Includes two verbal and mathematics tests, plus the Test of Standard Written English.

The Test of Standard Written English is modeled on the latest Scholastic Aptitude Test (SAT) examinations. Provides 500 additional practice questions, and explanations of answers. A scratchpad and calculators are instantly available. Includes an automatic scoring system that identifies strengths and weaknesses, and a test-taking timer to monitor speed. Utilizes projected SAT scores and bar graphs to check progress. Single keystrokes provide information on how to analyze math, verbal, and grammar questions. All examination and practice questions are reviewed with the correct answers fully explained. Includes a user's guide with tips and strategies to hone test-taking skills. Will not run on the IBM PCjr.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE <i>Requirements: 80-column display.</i> | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |

212 EDUCATION/COGNITIVE DEVELOPMENT

VISION SOFTWARE**ALF'S THINKING SKILLS****ISPN 85371-700**

Ages 7 and up: Contains three educational games to sharpen your thinking skills.

ALF'S THINKING SKILLS utilizes big shapes, bright colors and even the Tanner's pet, Lucky, to help your child solve logic problems. Alf says, 'It is time to put your Melmacian thinking cap on'. A special section is provided for parent and teachers, outlining the information presented in the lessons. Lesson One: Help Alf find Lucky the cat. Alf will teach your child to solve logic problems while searching for the missing pet. As Alf would say, 'Here kitty, kitty, kitty...' Lesson Two: Let's make logical thinking fun. Alf will teach your child 'and/or' logical statements using big shapes in all sorts of exciting colors. Alf will ask you for a certain shape 'and/or' a certain color. Can you find it for him? Lesson Three: Shape up with Alf. Alf will assist your child in logical thinking using bright and colorful shapes. He will be shown a certain shape and must decide if it fits into Alf's shape categories. Three levels of difficulty are provided. These lessons are designed so children can run them on their own. If supervision is desired, short descriptions as well as suggestions are given to provide additional assistance.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$14.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$14.99 |

LEARNING CO. (THE)**GERTRUDE'S SECRETS****ISPN 43870-300**

Ages 4-7: Teaches shape and color relationships and develops problem-solving skills while children play puzzle games.

GERTRUDE'S SECRETS uses friendly Gertrude the Goose to build a child's basic thinking and problem-solving abilities. Each game uses simple shapes and colors to make puzzles that change each time they are played. As children try to discover Gertrude's Secrets, they learn general classification skills, such as grouping, sequencing and organizing. A series of 'rooms' becomes a child's play environment. School edition includes one program disk, one back-up disk, scope and sequence chart, blackline master and a teacher's guide.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Color monitor or TV.</i> | 5 1/4-inch disk | 48K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2 and 5 1/4 | 256K | \$39.95 |

GREAT WAVE SOFTWARE**KIDSTIME II (VER. 2.0)****ISPN 33476-165**

Ages 3-8: Contains three programs: ABKey, KidsNotes and Dot-to-Dot, which emphasize creativity, exploration and skill development.

ABKey is a letter recognition skill program which includes many levels of difficulty and challenge. KidsNotes is an introductory music program allowing children to explore many aspects of music. Dot-to-Dot is a new version of an old favorite. Children learn number and letter sequencing. A fully detailed picture appears when they complete the puzzles. Additional puzzles can be created with the puzzle editor. You can outline a print picture.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$39.95

*Requirements: Color monitor.***MERIT SOFTWARE****PIPELINE****ISPN 43896-650**

Develops problem-solving strategies, visualizes the whole, analyzes problems, plans solutions and experiments with solutions.

You're the master plumber! Can you connect pipe segments of varying lengths and shapes to reach objects that need water? Three levels of play. Also includes a Classroom Kit which contains: One full color poster for display featuring the screen stars from the software programs that the student will enjoy and remember. Custom lesson play which defines specific skill areas and objectives outlining the most effective way for your students to interact with the software. Three reproducible worksheets with activities to support and extend the skill areas presented by the software. Reproducible student management chart to record individual progress. Reproducible certificates for reward to students who complete the activities. For grades 4 thru 6. Supports IBM compatibles.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$14.95

LEARNING CO. (THE)**ROCKY'S BOOTS****ISPN 43870-500**

Ages 9 and up: Develops logical thinking and problem-solving skills that are important in math and science.

ROCKY'S BOOTS teaches children to create increasingly powerful 'logic machines' in 40 interactive games. Orange 'electricity' flows through wires and parts, which the child assembles into machines that are used to win games. Teaches the basics of electronic circuitry, computer logic, basic thinking and problem-solving skills. Advanced children can create their own games with the Game Editor. Five interactive tutorials teach basic logic and electronic concepts in sequence, building on previously learned skills. Helps develop reasoning and creative thinking abilities and encourages experimentation. Children can build animated logic machines and computer circuits. School edition

includes one program disk, one back-up disk, scope and sequence chart and teacher's guide.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$69.95 |
| <i>Requirements: School edition (includes backup disk). Color monitor or television.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$69.95 |
| <i>Requirements: School edition (includes backup disk). CGA, EGA or Hercules Graphics Adapter.</i> | | | |

COMPU-TEACH, INC.

STEPPING STONES BONUS PACK (LEVELS I & II)

ISPN 15081-760

Ages 2-7: Helps children master essential concepts of math, reading and language.

This three-in-one package of CompuTeach programs which offer your child an exciting, entertaining introduction to the fundamentals of learning math, reading, language. Through colorful animated graphics and lively interaction, the child becomes familiar with basic concepts. Your child will learn the alphabet through graphics and animation, with three different skill levels. Two games introduce the child to numbers and basic mathematical concepts. The child builds vocabulary by adding initial letters to two-letter word endings and is rewarded with animated graphics.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

LEARNING CO. (THE)

THINK QUICK! (VER. 1.0)

ISPN 43870-755

Ages 7-14: Enhances logical thinking and problem-solving skills with an adventure game format.

THINK QUICK! challenges to overcome a variety of obstacles and race through six intricate game levels. Children learn to manipulate variables while increasing their ability to plan and to understand complex relationships. The game editor function allows children to create and play their own games. Helps to build skills in logical thinking, developing strategies, decision making and problem solving. While quick thinking is rewarded, children can play at their own pace.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| APPLE IIGS | 3 1/2-inch disk | 256K | \$49.95 |
| <i>Requirements: CGA, EGA or Hercules Graphics Adapter.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$49.95 |

LEARNING CO. (THE)

WRITER RABBIT

ISPN 43870-775

Grades 2-4: Students identify sentence parts, learn grammar concepts and reinforce reading comprehension.

WRITER RABBIT teaches students to identify sentence parts and construct sentences. Over a course of six carefully sequenced games, students learn grammar concepts as they build their writing skills. The program concludes with a 'Silly Story Maker', which allows students to create their own letters and stories. Individual student record keeping system lets teachers assess progress and identify areas for improvement. The program prints out stories, letters, record keeping data, and an 'Award' certificate. The school edition includes one program disk, one back-up disk, scope and sequence chart and teachers guide.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| APPLE IIGS | 3 1/2-inch disk | 256K | \$49.95 |
| <i>Requirements: CGA, EGA or Hercules Graphics Adapter.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$49.95 |

215 EDUCATION/COMPOSITION/GRAMMAR

PELICAN SOFTWARE, INC./LEARNING LAB

DINOSAUR DAYS PLUS-CREATIVE WRITING SERIES

ISPN 60415-104

Pre-school to grade 12: Make what you imagine with this word processing and color graphics package!

DINOSAUR DAYS PLUS-CREATIVE WRITING SERIES displays pictures and facts at a click. It even has a built-in word processor. This program lets you write your own story about the prehistoric world of dinosaurs on a two-disk journey. The two disks include a fact-filled graphic database and a dinosaur graphic writing program. For example, click on a picture of a stegosaurus and open a fact-filled window you can read or print out for future reference. Next you can use hundreds of prehistoric parts to create realistic or fanciful creatures that ride skateboards or munch on accurate prehistoric plants. Use any of the 4,000 graphics in the user's library. Then you can write a story or a book and become an 'Authorsaurus.' The talking text processor spells and speaks each word or the entire text. Includes an illustrated workbook. Can also be used with a Cricket or Echo II speech synthesizer.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$39.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$39.95 |

DAVIDSON & ASSOCIATES, INC.

GRAMMAR GREMLINS

ISPN 24075-060

Grades 3-6: Comprehensive grammar instruction which includes over 60 rules and over 600 practice sentences.

With GRAMMAR GREMLINS, your students study subject/verb agreement and develop an understanding of contractions. They learn to identify the parts of speech. They discover how to construct sentences and punctuate them. Other topics include plurals and possessives. These subject are presented in four different learning activities. First, your students take the pre-test. Next they learn to build their skills. After they've developed competence and understanding, they can play the grammar gremlins game. Finally, they take the review test to measure their comprehension and mastery. GRAMMAR GREMLINS comes with an editor feature. Use it to add original sentences easily. Any type of lesson employing a multiple choice format can be used with the program. Supplements classroom instruction. Rules and practice sentences are offered on four levels of difficulty.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 64K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$49.95 |
| <i>Requirements: CGA.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$49.95 |
| <i>Requirements: CGA.</i> | | | |

PELICAN SOFTWARE, INC./LEARNING LAB

MONSTERS AND MAKE BELIEVE ART ALBUM

ISPN 60415-103

An assortment of body parts, props and backgrounds with a make-believe orientation for creative writing.

With MONSTERS AND MAKE BELIEVE ART ALBUM, students can create magical mermaids, mythical kings or wart-faced witches. Backgrounds include a monster art gallery, a monster store and playful props like a pet spider on a leash, itty bitty people and buttons and bows. To be used with Monsters and Make-Believe (ISPN 60415-102), Dinosaur Days (ISPN 60415-104), Transportation Transformation (ISPN 60415-100), Robot Writer (ISPN 60415-101) or Creation (ISPN 60415-105).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 65K | \$24.95 |
| <i>Requirements: Monsters and Make-Believe (ISPN 60415-102) or any other program in Pelican's Creative Writing series.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$39.95 |

219 EDUCATION/COMPUTER LITERACY

INDIVIDUAL SOFTWARE, INC.**PROFESSOR DOS (VER. 4.0)****ISPN 37275-200**

Provides hands-on computer experience and in-depth coverage of all versions of DOS, including DOS 4.0.

PROFESSOR DOS contains a fully interactive tutorial which simulates DOS. Offers users at all ability levels a hands-on approach and teaches proper use of DOS properly to save time and effort in handling tasks. The program contains hundreds of step-by-step lessons covering DOS editing keys, DOS commands, hard disk uses, batch file creation, EDLIN, applications of DOS, advanced DOS concepts like tree-structures, path and much more. Offers over four hours of interactive training which is menu-driven and can be used later for training and a reference tool. Lessons are logically organized, clearly presented and use graphics and color.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$49.95

BORLAND INT'L.**TURBO PASCAL TUTOR****ISPN 08225-200**

Develops the basics through advanced programming concepts. Includes a 300 page manual and disk with source code.

Learn to program in Turbo Pascal. From writing a simple program to using assembly language routines, TURBO PASCAL TUTOR steps you through a wide variety of Turbo Pascal programs. Includes a 300-page manual and a diskette with source code for every example in the manual.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 1.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$69.95

BORLAND INT'L.**TURBO PASCAL TUTOR (VER. 1.0) (MACINTOSH)****ISPN 08225-201**

Guides users through a wide variety of Turbo Pascal programs.

A split screen lets you run a procedure and view its source code simultaneously. After running it, you can take a test on the procedure. If you're stuck, a hint option helps steer you in the right direction. Thirty sample programs with complete source code are included with the tutor application. Also included is a 700 page manual that teaches textbook Pascal and Macintosh programming. Turbo Pascal for the Absolute Novice, A Programmer's Guided to Turbo Pascal, Advanced Programming, Using the Power of the Macintosh, and Programming the Macintosh in Turbo Pascal are the five sections of the manual. Includes MacTypist, a complete stand-alone application featuring animated graphics, what to do with all the knowledge acquired.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$69.95

228 EDUCATION/EARLY CHILDHOOD DEVELOPMENT**BRIGHT STAR TECHNOLOGY****ALPHABET BLOCKS (VER. 1.0)****ISPN 08459-100**

A talking elf on the screen teaches phonic sounds and letter names to even the youngest user.

Uses educational principles to teach phonics sounds and letter names without intensive training and with little or no adult supervision. An animated magical elf on the screen speaks in a pleasant, clear digitized voice, enunciating each letter and sound. Included is a Magic Touch Alphabet book which has pages with texture. The letters can be felt with fingertips. The sound of each letter presented in the book is reflected in the picture on the page facing that letter. The pictures are the same ones depicted on the screen when the mouse is used to select and click on a letter block.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$79.95

MERIT SOFTWARE**ANIMAL HOTEL****ISPN 43896-035**

Grades Pre-3: Develops specific recall and visual memory, visual discrimination and analysis of the whole.

With ANIMAL HOTEL you're the hotel manager! Take a quick look at the room locations of your animal guests. Then, you'll be asked, room-by-room, which guest is staying where. Includes a Classroom Kit which contains: One full color poster for display featuring the screen stars from the software programs that the student will enjoy and remember; Custom lesson play which defines specific skill areas and objectives outlining the most effective way for your students to interact with the software; Three reproducible worksheets with activities to support and extend the skill areas presented by the software; Reproducible student management chart to record individual progress; Reproducible certificates for reward to students who complete the activities. Supports IBM compatibles.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

COMMODORE 64/128

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

5 1/4-inch disk

MEMORY

48K

64K

128K

PRICE

\$14.95

\$14.95

\$14.95

FIRST BYTE, INC./DIV. OF ELECTRONIC ARTS

DINOSAUR DISCOVERY KIT

ISPN 30836-220

Ages 3-8: Zug the Megasaur helps children learn about dinosaurs and build early reading skills.

DINOSAUR DISCOVERY KIT presents children with a multi-media world full of realistic and imaginative dinosaurs. Zug is an amazing dinosaur - he talks, wears costumes and loves to create pictures, play games and tell stories. Playing with Zug and his friends, young children learn about their favorite pre-historic creatures and gain pre-reading and reading skills needed for the classroom. Features three learning modules: Dinosaur Match, Story Maker and Coloring Book. In Dinosaur Match real dinosaurs, dinosaur silhouettes and Zug in his costumes are all part of the match game fun that teaches visual discrimination skills. In Story Maker, children create a picture and story by selecting graphic icons. Children can read simple words, sentences and an entire short story. Coloring beautiful dinosaur scenes helps children learn new words and colors to reinforce picture/word combinations in Coloring Book. DINOSAUR DISCOVERY KIT prints all scenes and stories, and prints graphic award certificates. Features multi-color graphics. Helper options aid you in customizing activities. Voice options enable the program to speak all program text. Menu choices may also be spoken.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$39.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$39.95 |

SPRINGBOARD SOFTWARE

EARLY GAMES FOR YOUNG CHILDREN

ISPN 75309-083

Ages 2-6: Teaches children a variety of basic skills with a collection of nine individual learning games.

Children learn to distinguish shapes, recognize letters, say the alphabet, count, add, subtract, and spell their names. Multiple skill levels keep children interested while learning at their own pace, providing gentle hints until correct answers are given. The picture menus make it easy for children to select and play any of the games without adult supervision. Match Numbers uses large, colorful numbers to develop number recognition skills. Count teaches the association between a number of colorful blocks and its numerical symbol. Add uses colorful objects to help introduce addition problems and mathematical symbols. Subtract teaches the difficult concept of subtraction and introduces the minus and equal signs. Match Letters develops letter recognition and keyboard skills with large, bright letters. Alphabet is designed to help children learn the order of the letters in the alphabet, giving helpful hints for incorrect responses. Names encourages children to learn to spell their name with computer prompts and introduces the idea that letters combine to form words. Compare reinforces the concept of same and different with various shapes, sizes, patterns and orientations. Picture Draw encourages children to use imagination while creating their own library of pictures. Graphics and sounds reinforce the positive fun aspect of learning for children. The extended learning guide suggests additional activities for parent and child to do, both on and off the computer.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$34.95 |

SYSTEM

COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+
 APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk
 3 1/2-inch disk

MEMORY

64K
 128K
 512K

PRICE

\$34.95
 \$34.95
 \$49.95

SPRINGBOARD SOFTWARE**EASY AS ABC****ISPN 75309-166**

Ages 3-6: Approaches learning the alphabet in a variety of ways with a series of five games.

Children can choose Match Letters, Dot to Dot, Leapfrog, Lunar Letters or Honey Hunt with a picture menu that makes it easy. A disk of colorful animated graphics such as jumping frogs and buzzing bees keep children facinated. And the more they play, the more they learn.

SYSTEM

COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk

MEMORY

64K
 128K

PRICE

\$39.95
 \$39.95

STONE & ASSOCIATES**KID'S STUFF****ISPN 76325-075**

Introduces children to number, word and spelling concepts as they learn word recognition by matching words to objects and quantities.

KID'S STUFF uses animation to reinforce the learning process. Balloons pop, owls blink, a spider spins a web! This program continues the child's development of skill begun with a companion program titled 'My Letters, Numbers, and Words'. Offers a feature which allows parents and children to type in additional words of their choice. Supports color or monochrome monitors.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$39.95

DAVIDSON & ASSOCIATES, INC.**MATH AND ME****ISPN 24075-444**

Ages 3-6: Introduces children to math-readiness concepts and builds beginning math skills.

Offers 12 learning games, three in each of the four subject areas. Material is presented sequentially and grows with the child. The four areas covered are shapes, patterns, numbers, and beginning addition. Activities and answers are selected by using the mouse or the keyboard. Certificates are awarded to children completing an activity and include the child's name and a picture for coloring. Also features positive reinforcement, double HI-res graphics, optional sound effects, and animation. Includes a teacher's resource guide containing 100 activity sheets for all programs, assignment record keeping sheets, and ready-reference charts. Disk exchange available from 5 1/4 to 3 1/2.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

*Requirements: Extended 80-column card.***MEDIUM**

3 1/2-inch disk

MEMORY

128K

PRICE

\$39.95

APPLE II, IIC, IIE, IIGS

Requirements: Extended 80-column card.

5 1/4-inch disk

128K

\$39.95

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.**NEW TALKING STICKYBEAR ALPHABET****ISPN 58655-068**

Ages 3-6: Features three activities and speech capabilities that encourage children to learn the alphabet.

Provides graphics, animation, and a talking Stickybear. Features upper and lower case letters, with two pictures for each letter. The lab pack contains five disks and one manual.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

STONE & ASSOCIATES**PHONICS PLUS (VER. 1.0)****ISPN 76325-120**

Ages 4-8: Introduces consonants, vowels and words with games and letter drills.

PHONICS PLUS is designed to teach young readers the principle elements of phonics and to build solid reading skills. Activities include: A series of exercises and drills organized around vowels and consonants; picture games, spelling practice and crossword puzzles. Parents can tailor the level of difficulty and mix combinations of vowels, consonants, pictures and words to maintain a fresh, interesting learning experience. Includes an editing capability. PHONICS PLUS received the SPA Excellence in Software Award '88 for the 'Best Early Education' finalist and an 'Excellent' rating from the Florida Center for Instructional Computing.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

128K

PRICE

\$39.95

*Requirements: CGA or Hercules Mono Graphics Adapter.***DAVIDSON & ASSOCIATES, INC.****READING ANY ME****ISPN 24075-600**

Ages 4 to 7: Prepares children for reading and builds early reading skills.

READING AND ME offers 12 captivating learning games presented sequentially, so the program grows with children. Using colorful graphics. Readiness introduces children to the concepts of same and different and asks them to identify which object in a series does not belong. Children will learn the alphabet as they choose correct upper and lower case letters from a train car. Then, playful seals will help children learn letters in sequence. Sounding out initial and final consonants is easy with an enchanting magician's help. An animated jack-in-the-box helps children select words that rhyme. In the final activities, children apply what they have learned to read simple sentences. They associate a word in a sentence with a picture and play fill-in-the-blank. Provides easy

access to activities and mobility within the program. children can use either the mouse or the keyboard to select activities and answers. Contains one disk and an easy-to-follow instructional manual.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$39.95 |
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Extended 80-column card.</i> | 3 1/2-inch disk | 128K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 256K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 256K | \$39.95 |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR ABC

ISPN 58655-100

Ages 2-6: Full screen, colorful animated pictures and music represent each letter of the alphabet.

A child can summon any letter and its corresponding picture by touching that letter on the keyboard. Each letter has multiple pictures including a volcano rumbling, stickybear juggling, zebra trotting, airplane flying and octopus swimming. This award winning program includes a disk, a 32-page hardcover Look Book, full-color poster, user's guide and colorful stickers. Commodore version includes disk, user's guide and poster. A color monitor is recommended. Winner of the Reader's Choice award of A+ Magazine, 1986 and 1987. The school lab pack includes five disks and one instruction manual.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR NUMBERS

ISPN 58655-560

Ages 2-6: Teaches numbers and counting using colorful groups of big animated objects including stickybears, trucks, ducks and planes.

Each time a number on the keyboard is pressed, a new set of objects appear on the screen with the corresponding numeral from zero to nine. Youngsters use the space bar to learn to count up and down. Each time it is pressed, objects disappear one by one, down to zero, or they appear one at a time, from zero up to nine. Includes a talking bear to help keep three to six-year-olds captivated. Provides additional reinforcement of number, shape and 'opposites' recognition, and help personalize computer activity. Stickybear says such words as 'happy' and 'sad', or 'triangle', 'circle' and 'square', as those words appear on screen. Stickybear also says numbers as they appear on screen. The activity features more than 250 picture combinations, so kids love playing it over and over. Stickybear posters are included. A color monitor is recommended. The school lab pack includes five disks and one instruction manual. A free exchange coupon for 3.5-inch disk is included.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$39.95

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.**STICKYBEAR OPPOSITES****ISPN 58655-580**

Ages 3-6: Big, colorful, animated pictures teach beginning learners all about opposites such as up and down and full and empty.

Watch Stickybear ride a unicycle, drift along in a hot air balloon, see bean plants grow and much more. The bubble gum colors and cartoon-like animation make learning fun. Includes a talking bear to help keep three to six-year-olds captivated. Also provides additional reinforcement of number, shape and 'opposites' recognition and helps personalize computer activity. Stickybear says such words as 'happy' or 'sad', or 'triangle', 'circle' and 'square', as those words appear on screen. Includes a 32-page hardcover 'Yes and No' opposites book, full-color poster, user's guide and colorful stickers, stored in a binder. Commodore version includes user's guide and poster. A color monitor is recommended. The school lab pack includes five disks and one instruction manual.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

MEMORY

48K

512K

PRICE

\$39.95

\$39.95

Requirements: EGA, VGA or MCGA, Echo board for speech capabilities.

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.**STICKYBEAR SHAPES****ISPN 58655-700**

Ages 3-6: Contains three animated activities which ask children to name, pick or find a shape.

When the child makes a correct choice, he or she is rewarded with happy, cartoon-like animation and music such as honking car horns, buzzing bees and more. Includes an animated talking bear to help keep three to six-year-olds captivated. Also provides additional reinforcement of number shape and 'opposites' recognition and help personalize computer activity. Stickybear says such words as 'happy' and 'sad', or 'triangle', 'circle' and 'square', as those words appear on screen. The Apple and Atari versions include a 32-page full-color 'Shapes' book, full-color poster, user's guide and colorful stickers all stored in a binder. Commodore version includes disk, user's guide and poster. A color monitor is recommended. The school lab packs come with five disks and one instruction manual. A free exchange coupon for 3.5-inch disk is included.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

MEMORY

48K

512K

PRICE

\$39.95

\$39.95

Requirements: EGA, VGA or MCGA, Echo board for speech capabilities.

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR TOWN BUILDER

ISPN 58655-730

Ages 6-9: Teaches map reading skills by allowing children to build their own town with parks, bridges, airports and roads.

Helps in learning compass-reading, directions, map-reading and positioning. Aids in higher level thinking skills, such as planning, revising, problem solving, and hypothesizing. Children enjoy building their own towns, complete with roads, parks, bridges, airports and other structures. The towns they build can be stored on disk, up to 20 at a time, and then used to work with other program activities - Take a Drive and Find the Keys. Three pre-built towns are provided on disk for children who wish to start driving immediately. In Take a Drive, children have to follow directions as they attempt to drive to as many places as possible before running out of fuel. Find the Keys invites children to follow clues which will allow them to locate mystery keys hidden at random in various structures. A color monitor is recommended. The School lab pack includes five disks and one instruction manual. A free exchange coupon for 3.5-inch disk is included.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

48K

PRICE

\$49.95

DAVIDSON & ASSOCIATES, INC.

TALKING MATH AND ME

ISPN 24075-755

Ages 3-6: Introduces children to math-readiness concepts and builds beginning math skills. Has speech capability.

Includes twelve learning games - three in each of four subject areas: Shapes, patterns, numbers and beginning addition. The 'Davidson Early Learner Interface' provides access to activities and mobility within the program. Children can use either the mouse or the keyboard to select activities and answers. To reward children who complete an activity, a graphic certificate can be printed. The certificate includes the child's name and clown illustrations for coloring. Additional features include positive reinforcement, animation and color, and double high-resolution graphics.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

DAVIDSON & ASSOCIATES, INC.

TALKING READING AND ME

ISPN 24075-750

Ages 4-7: Offers 12 sequential learning games in readiness, alphabet, phonics and words. Has speech capability.

The 'Davidson Early Learner Interface' provides access to activities and mobility within the program. Children can use either the mouse or the keyboard to select activities and answers. To reward children who complete an activity, a graphic certificate can be printed. The certificate includes the child's name and clown illustrations for coloring. Additional features include positive reinforcement, animation and color, and double high-resolution graphics.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

BRIGHT STAR TECHNOLOGY**TALKING TILES (VER. 1.0)**

ISPN 08459-700

Uses an animated 'talking tutor' to teach word sounds, letters and how words are phonetically put together.

The Talking Tutor's lifelike synchronized lip motions and highlighting of letters as words are pronounced provide visual cues to show how phonics work. The word and matching picture dictionary provide a teaching tool for use in preschool through adult literacy programs. Encourages learners to imitate what they see and to experiment with phonics. When a letter tile is moved to the spelling surface, the tutor pronounces the letter name or sound. Letters glow, or are underlined, to show which letters correspond to certain sounds, and why. Sample 'reward' dictionaries are a special feature of the program. When a word is spelled from the dictionary, the tile tray rolls up to reveal the word, and a picture which illustrates the word appears in the picture corner. One dictionary, intended for younger users, is composed of concrete objects which directly suggest the word. Another, for adult learners, is more abstract and contains words useful for adults. Users can create customized dictionary lists with their own pictures, phrases, or definitions.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$129.95

Requirements: Two 800K disk drives or a hard disk.

238 EDUCATION/GEOGRAPHY**VISION SOFTWARE****ALF'S U.S. GEOGRAPHY**

ISPN 85371-101

Ages 8 and up: Alf takes you on journey through the 50 states of America.

ALF'S U.S. GEOGRAPHY contains five games teaching students about each state, its capital and the unique geography that makes each state special. Alf will even print out a personal timeline so you can fill in the date of your life's most important events. A special section is provided for parents and teachers, outlining the information presented in the lessons. Lesson One: A fertile place in the desert is called an oasis. Alf will quiz your child on such geographic terms as mountain, bay and cape. Lesson Two: Can you find the state of Minnesota on the map? Alf will quiz your child on the locations of the 50 states, their abbreviations and state capitals, all on a bright and colorful map. Lesson Three: Where is the Grand Canyon? Alf will help your child identify important landmarks and state where they can be found. Lesson Four: Travel back in time. Alf has made an historic timeline of the 50 states showing the date they achieved statehood. Your child is encouraged to study and even print out the timeline. Lesson Five: Tell your own life story. Simply tell Alf what years you want printed out and fill in your life's most important events. Great for school projects. These lessons are designed so children can run them

on their own. If supervision is desired, short descriptions as well as suggestions are given to provide additional assistance.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$14.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$14.99 |

SPRINGBOARD SOFTWARE

ATLAS EXPLORER

ISPN 75309-100

A world geography educational program with detailed maps, built-in tutorials, quizzing and record keeping features.

ATLAS EXPLORER allows you to discover the world with detailed maps that take you anywhere, from continents to countries to states and provinces. Not only will you learn locations, you'll learn general facts about those locations. Includes built-in tutorials to summarize general information about currencies, major cities, geographic area, population and language. Use the tutorial to learn at your own pace, and take a quiz when you're ready. It makes learning a breeze. The quicker you give the correct answer, the higher your score. You can decide the number of questions in each quiz and whether or not you want a second chance. As you progress, ATLAS EXPLORER keeps track of your score and your level of expertise with a record keeping option.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 512K | \$49.95 |
| <i>Requirements: CGA.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |

COMWELL SYSTEMS, INC.

PC-GLOBE

ISPN 18818-100

A geography software package that provides maps and data on 177 different countries.

PC-GLOBE+ contains the latest maps, facts and figures for 177 different nations. You may call up continents, countries or cities, access statistics and topographical features, and create your own applications with the custom screen editor. The database contains vital socio-economic and cultural information, and the flexible format allows users to add data, tailor maps, create custom bar charts, and export files to other programs such as Lotus 1-2-3 (ISPN 45525-050) and dBASE III+ (ISPN 05500-160). Features keyboard or mouse support, pull-down menus and fully integrated maps. Provides colorful charts and overlays, country fills, and comparisons between groups of countries. Enables you to plan and print travel itineraries. Time zones, point-to-point distances, currency exchange rates, tourist sites, international dialing codes, climates and tourist attractions are instantly available from the database. You may input hotels, local costs and more for a comprehensive excursion. Information provided on each country includes population, age distribution, growth rates, literacy, urbanization, languages, ethnic groups, religions, health statistics, political organizations and leaders, tourist attractions, visa requirements, ham radio, telex and international dialing codes. Economic and trade data includes major industries, commodities and agricultural products, balance of trade, imports and exports. Currency conversion can be calculated via built-in or user-defined

exchange rates. Computes distances and bearings between major cities and longitude/latitude points.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$69.95 |
| <i>Requirements: Two disk drives or hard disk, graphics adapter.</i> | | | |

BRODERBUND SOFTWARE, INC.

WHERE IN EUROPE IS CARMEN SANDIEGO?

ISPN 08850-700

Grades 4-9: While tracking thieves, players learn geographic, economic and historic information about the 34 nations of Europe.

The infamous Carmen Sandiego and her gang of criminals are loose in Europe and their targets are the national treasures of all of Europe. By using the investigative tools, players must track down Carmen, and obtain the correct warrant. Tools include Rand McNally's 'Concise Atlas of Europe', an on-line database that provides additional information on European nations to help solve clues, and a computerized crimstopper's notebook that helps keep track of clues to each suspect's identity. Players must search the scene of the crime, question all witnesses, and call local tipsters for clues. Program has a save-game feature that lets players save the game to resume at a later date. Allows all players to compete on an even footing by using non-real-time play. School edition includes teacher's guide and back up disk. Lab pack includes teacher's guide and five disks. Additional teacher's guides are available for \$10.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$44.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$44.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

BRODERBUND SOFTWARE, INC.

WHERE IN THE USA IS CARMEN SANDIEGO?

ISPN 08850-702

Ages 8 and up: You follow Carmen and her gang as they travel through all the 50 states, from Boise to Boston.

Sharpen your geography and research skills a little closer to home! Sixteen suspects and 1,500 clues keep the game lively and interesting as the players work their way through ten detective ranks. Includes Fodor's USA travel guide to help players decipher the clues. Also teaches reference skills. School edition includes a teacher's guide and a back-up disk. The lab packs include a teacher's guide and five disks. Additional teacher's guides are available for \$10.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$54.95 |
| <i>Requirements: School edition.</i> | | | |
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$44.95 |
| <i>Requirements: Consumer edition.</i> | | | |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$49.95 |
| <i>Requirements: School edition.</i> | | | |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$44.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

241 EDUCATION/GOVERNMENT/ECONOMICS

SPRINGBOARD SOFTWARE

HIDDEN AGENDA

ISPN 75309-301

A realistic political simulation that allows players to understand how it feels to be the leader of a post-revolutionary country.

HIDDEN AGENDA models a real-world culture as opposed to a fantasy world. The issues in HIDDEN AGENDA are straight out of today's headlines. All of the action comes in the form of conversations with richly elaborated characters as opposed to manipulating objects and conquering geography. You've just been made President, and your goal is to lead Chimerica out of its economic and social problems and establish stability within your three-year term of office. But the issues are complex, your opponents are powerful and even your most trusted advisors may have hidden agendas of their own. You will not be alone in your decision making. Study the leaders of the three powerful and conflicting political parties. Then, appoint as ministers, those you believe will best advise you and help you balance the influence of these parties. Make appointments carefully, because one day they might execute you, rather than your orders. Your days will be full of encounters with diplomats, influentials, journalists and other. If you are to succeed, you'll need to learn the subtle art of working with people.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 512K | \$59.95 |
| <i>Requirements: CGA.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 512K | \$59.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$59.95 |
| <i>Requirements: 800K disk drive.</i> | | | |

253 EDUCATION/LIBRARY MANAGEMENT/REFERENCE

SENSIBLE SOFTWARE, INC.

BOOKENDS MACINTOSH (VER. 1.0)

ISPN 69200-111

A specialized database for books and journals. Import data can be downloaded from Dialog, Medline and BRS.

A Hypercard stack for storing information on books, magazines and scientific journal articles. Database size limited only by disk space. Each field, including abstract, can

contain up to 30,000 characters. References can be selected by specific criteria (supports Boolean and/or/not searching), by number or manually. Output can footnote format. Output can be sent to printer or text file for additional editing. Can import data downloaded from Dialog, Medline, BRS and Knowledge Finder.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$99.95 |
| <i>Requirements: Hypercard (ISPN 03900-300).</i> | | | |

259 EDUCATION/MATH (ADVANCED)

DAVIDSON & ASSOCIATES, INC.

ALGE-BLASTER

ISPN 24075-025

Grades 7-12: Tutors students step-by-step as they master algebra fundamentals such as positive and negative numbers.

ALGE-BLASTER contains over 670 problems covering 21 different topics in five areas of algebra: Positive/negative numbers, monomials and polynomials, factoring polynomials and trinomials, solving equations and systems of equations. Three learning activities include: Study the Steps, Build Skills and Solve It. The editor feature enable the user to add algebra problems for use in the Solve It activities.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 64K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$49.95 |
| <i>Requirements: CGA. IBM compatibles may have different DOS and memory requirements.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 125K | \$49.95 |
| <i>Requirements: CGA. IBM compatibles may have different DOS and memory requirements.</i> | | | |

DAVIDSON & ASSOCIATES, INC.

ALGE-BLASTER PLUS

ISPN 24075-100

Helps students master both first and second semester algebra through a simple step-by-step tutorial approach.

ALGE-BLASTER PLUS has an on-line 'help' feature and a glossary of algebraic terms which provide assistance when needed. The easy-to-use editor lets students add their own algebra problems to the program. ALGE-BLASTER PLUS contains over 500 algebraic equations, an infinite number of computer-generated problems for graphing and translating word problems into numeric equations and five different activities, including an exciting outerspace game. In addition to the tutorial, practice and graphing, ALGE-BLASTER PLUS features a game in which students protect a space station as they reinforce graphing skills. ALGE-BLASTER PLUS offers a complete on-screen

glossary of algebra terms, record-keeping to track student progress and options for on-line verbal or numeric hints.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Teacher pack (includes 2 copies). Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$59.95 |
| APPLE IIC, IIE, IIGS <i>Requirements: Lab pack (includes 5 copies). Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$149.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Graphics adapter.</i> | 3 1/2 and 5 1/4 | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Teacher pack (includes 2 copies).</i> | 3 1/2 and 5 1/4 | 512K | \$59.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Lab pack (includes 5 copies).</i> | 3 1/2 and 5 1/4 | 512K | \$149.95 |
| NOVELL NETWARE 286 2.0A+ | 3 1/2 and 5 1/4 | 512K | \$299.95 |

BRITANNICA SOFTWARE

ALGEBRA I-FIRST SEMESTER

ISPN 08575-050

Provides comprehensive instruction of first year high school algebra, tying in to today's most frequently used textbooks.

ALGEBRA I-FIRST SEMESTER is designed for teachers, students and parents who want to supplement a first year algebra course or to help gifted pupils advance. Includes course correlation charts for such top-ranking textbooks as Holt, Rinehart, Houghton Mifflin, Addison-Wesley and several others. Teaches the fundamental concepts of algebra reinforced by rich drill and practice sessions. Includes interactive tutorial, scope and sequence charts and screen test generation for a complete first year high school algebra course. Includes seven units of significant topics covered in algebra: Real numbers, variables, linear equations, inequalities, factoring monomials, polynomials and problem-solving. The program uses systematic teaching methods to introduce new concepts and to reinforce the skills introduced. Takes advantage of the advanced graphic capabilities of the contemporary IBM and Apple computers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Graphics adapter.</i> | 5 1/4-inch disk | 256K | \$49.95 |

BRITANNICA SOFTWARE

ALGEBRA I-SECOND SEMESTER

ISPN 08575-055

Grades 6-12: Students study a specific area within the program to master all the topics of a first-year high school algebra course.

ALGEBRA I-SECOND SEMESTER is designed to work with curriculum textbooks. Created by a teacher for teachers, this program teaches concepts. Includes interactive tutorial, scope and sequence charts and screen test generation for a complete first year algebra course. Enables students to learn the rules of algebra, step-by-step. Then they are given problem-solving practice. Finally, they are tested on everything they have learned. You can keep track of individual progress. Uses systematic teaching methods

to introduce new concepts and to reinforce the skills introduced. Takes advantage of the advanced graphic capabilities of the contemporary IBM and Apple computers. Based on the best-selling EduWare Algebra 1 through 6 Series.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |

Requirements: Graphics adapter.

STONE & ASSOCIATES

ALGEBRA PLUS (VOL. I)

ISPN 76325-025

Provides interactive review and practice of vocabulary, concepts and problems in introductory algebra.

ALGEBRA PLUS covers topics such as Real Number Systems, Equations in One and Two Variables, Using Formulas, Graphing, Polynomials, Adding and Subtracting Polynomials, Multiplying Polynomials, Factoring, Quadratic Equations and Translating Word Problems to Equations. Includes a 160-item Glossary. ALGEBRA PLUS is designed for High School students enrolled in introductory algebra, students wishing to review introductory algebra or for adults who are learning or reviewing algebra. There are 15 sections accessed from a Program Index: The Real Number System, Equations in One Variable, Using Formulas, Graphing of Equations in Two Variables, Linear Equations in Two Variables, Word Problems, General Properties of Polynomials, Addition and Subtraction of Polynomials, Multiplication of Polynomials, Factoring of Polynomials, Solving Quadratic Equations, More Word Problems (part II), Glossary and Printing of Factoring Problems. Most sections consist of tutorial material followed by randomly selected and generated problems. Algebraic procedures are included with the problem solution. Animated graphics are used in many sessions. The documentation is in the form of a User's Guide which includes instruction for loading the program, making backup diskettes, conventions used in the program, and suggestions for the best use of the program. Prerequisites and learning objectives are presented for each session. Supports color or monochrome monitors.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$49.95 |

Requirements: CGA or Hercules Mono Graphics Adapter.

STONE & ASSOCIATES

ALGEBRA PLUS (VOL. II)

ISPN 76325-026

Covers topics such as exponents and logarithms, general properties of polynomials, solving quadratic equations and word problems.

ALGEBRA PLUS (VOL. II) reinforces essential algebraic concepts. Contains 11 session features including immediate feedback, print out capabilities, test sessions to monitor a student's progress and a 160-item glossary of terms and definitions. Covers exponents and logarithms, general properties of polynomials, addition, subtraction, multiplication and factoring of polynomials, more word problems and quadratic equations. Supports color or monochrome monitors.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2 and 5 1/4

128K

\$49.95

*Requirements: CGA or Hercules Mono Graphics Adapter.***BORLAND INT'L.****EUREKA-THE SOLVER****ISPN 08225-025**

Solves problems that can be expressed as a linear or non-linear equation.

Enables the user to solve algebra, trigonometry and calculus problems, minimize/maximize functions (with or without constraints) and evaluate the validity of equation solutions. Offers versatility, a full-screen ASCII editor and window interface, automatic 8087 math coprocessor chip support, powerful built-in and user-defined math and financial functions and an on-screen calculator. Any problem that can be expressed as a linear or non-linear equation can be solved. From simple linear equations to those involving multiple transcendental functions, here is what the user needs to do: Enter the equation into the ASCII text editor. Select the Solve command to solve for the variables in the problem. EUREKA will then evaluate the solution, plot a graph of the solution (with coordinate axes scaled appropriately) and generate reports complete with plots and lists. The user may choose the Evaluation command to check the equation itself or ask EUREKA to continue searching for a satisfactory solution iteratively. The user may change the active variables or constants and have the program search for an entirely different solution.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

384K

\$167.00

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$195.00

264 EDUCATION/MATH (BASIC, GENERAL)**VISION SOFTWARE****ADDITION/SUBTRACTION****ISPN 85371-100**

Grades 3-8: Includes four programs that teach students addition and subtraction.

ADDITION/SUBTRACTION teaches students the basic facts of addition by presenting the horizontal and vertical methods. The concept of carrying numbers is introduced to facilitate correct problem-solving. The beginning aspects of subtraction are introduced through both the horizontal and vertical methods and the borrowing of numbers from other columns of numbers. Practice your quickness and skill adding columns of numbers ranging from two to six digits. Broaden your skills by subtracting numbers ranging from one to six digits arranged in column format.

SYSTEM**MEDIUM****MEMORY****PRICE**

APPLE II, II +, IIC, IIE, IIGS

5 1/4-inch disk

128K

\$9.99

COMMODORE 64/128

5 1/4-inch disk

64K

\$9.99

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

256K

\$9.99

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

256K

\$9.99

SPRINGBOARD SOFTWARE

FRACTION FACTORY

ISPN 75309-249

Ages 8-15: Learn fractions with five fun-to-play games.

FRACTION FACTORY makes learning fractions fun and easy. By playing the program's five games, children learn to describe fractions, find equal values with different denominators, multiply whole numbers by a fraction, add fractions to fractions and subtract fractions from fractions. Each game includes colorful graphics and musical sounds that help clarify the relationship between fractions and whole numbers. If your child has difficulty, the program provides increasingly more helpful hints until they demonstrate understanding of the concepts and calculate the correct answer. FRACTION FACTORY comes with an instruction book containing suggestions for new learning activities to reinforce understanding. Includes colorful graphics and musical sounds, describes fractions and their operations and provides help during the solution process.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$29.95 |

DAVIDSON & ASSOCIATES, INC.**MATH BLASTER**

ISPN 24075-075

Grades 1-6: Learn math arcade-style. Contains over 600 problems and four different learning activities.

MATH BLASTER teaches the facts and solutions for math problems such as addition, subtraction, multiplication, division, fractions and decimals. It groups problems into 'Families of Facts.' To enter additional sets of problems, parents and teachers simply take advantage of the easy-to-use editor. To prevent learning from becoming a chore, students may challenge themselves to MATH BLASTER'S fast-action arcade game. MATH BLASTER encourages students with positive reinforcement and keeps scores for progress review. It uses high resolution graphics and animation. Color is available on the Apple II. Sound effects are optional. It may be used with one or two drives and either a joystick or a keyboard. This program has print-out capabilities and lets you enter or exit the program at any level.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 48K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 128K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

Requirements: 850, 1050 or compatible disk drive.

| | | | |
|---------------------------------------|-----------------|-----|---------|
| ATARI XE, 65XE, 130XE, 600 XL, 1200XL | 5 1/4-inch disk | 48K | \$49.95 |
|---------------------------------------|-----------------|-----|---------|

Requirements: 850, 1050 or compatible disk drive.

DAVIDSON & ASSOCIATES, INC.

MATH BLASTER MYSTERY

ISPN 24075-500

Ages 10 and up: Covers such skills as solving word problems and developing inductive and deductive reasoning skills.

MATH BLASTER MYSTERY features four learning activities to help students determine the best strategy to solve a problem. The program also offers practice in working with positive and negative numbers, fractions, decimals and percents. One of MATH BLASTER MYSTERY's activities is set in an animated series of Victorian rooms. Students play detective and use a step-by-step approach to search for a mystery number. For example, a student who clicks on an animated graphic of an old-fashioned lamp may get the clue 'the mystery number is greater than nine'. After collecting and sorting the clues, the student can then conclude the correct value of the mystery number. To encourage students to work through a problem, MATH BLASTER MYSTERY also includes helpful 'hint' screens. And to motivate students, the program has positive reinforcement, as well as a printed certificate of excellence with graphics. Other important features of the program include an editor that lets teachers and parents add their own math problems to the program, student record-keeping to track progress and an easy-to-use interface with pull-down menus and icons that can be accessed with either a mouse or keyboard.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| <i>Requirements: Extended 80-column card.</i> | | | |
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$59.95 |
| <i>Requirements: Teacher pack (includes 2 copies). Extended 80-column card.</i> | | | |
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$149.95 |
| <i>Requirements: Lab pack (includes 5 copies). Extended 80-column card.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$49.95 |
| <i>Requirements: Graphics adapter.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$59.95 |
| <i>Requirements: Teacher pack (includes 2 copies). Graphics adapter.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$149.95 |
| <i>Requirements: Lab pack (includes 5 copies). Graphics adapter.</i> | | | |
| NOVELL NETWARE 286 2.0A+ | 3 1/2 and 5 1/4 | 512K | \$299.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |
| <i>Requirements: Teacher pack (includes 2 copies).</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$59.95 |
| <i>Requirements: Lab pack (includes 5 copies).</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$149.95 |
| <i>Requirements: Lab pack (includes 5 copies).</i> | | | |

DAVIDSON & ASSOCIATES, INC.

MATH BLASTER PLUS

ISPN 24075-076

Grades 1-6: Learn math arcade-style. Covers over 750 basic math facts and five different learning activities.

MATH BLASTER teaches the facts and solutions for math problems such as addition, subtraction, multiplication, division, fractions, decimals and percents. Encourages students with positive reinforcement and keeps scores for progress review. A printed 'Certificate of Excellence' rewards students for their outstanding scores. MATH

BLASTER presents problems in four different stages. It also challenges students to a fast-action arcade game. Each of the three stages contains up to 30 math problems. 'Countdown' presents a problem, hides it, then allows the student to recall it. Students may work at the pace most comfortable for them. The problem in 'Ignition' is presented without the answer. The student must then provide the correct solution. 'Lift-off' deletes part of the problem, encouraging the student to learn a different problem-solving step. With 'Orbit,' the student faces three math problems together on each screen. The goal is to select which problems are incorrect and make the correction. Missed problems can be re-attempted. In the 'Blasternaut' game, the student directs an animated character while actually reviewing basic math facts. The character climbs into a space ship and rockets up to the selected answer. Bonus points are awarded to students who can rescue an astronaut in distress. MATH BLASTER uses high resolution graphics and animation. Color is available on the Apple II. Sound effects are optional. It uses pull-down menus and icons, and offers mouse or keyboard access. Has print-out capabilities.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Extended 80-column card.</i> | 3 1/2-inch disk | 128K | \$49.95 |
| APPLE IIGS <i>Requirements: Extended 80-column card.</i> | 5 1/4-inch disk | 512K | \$49.95 |
| APPLE II +, IIC, IIE, IIGS <i>Requirements: Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 256K | \$49.95 |

BRITANNICA SOFTWARE-DESIGNWARE DIVISION

MATH MAZE

ISPN 24936-332

A fast-paced, multi-level game for building math skills.

MATH MAZE - your computer spider web - is full of numbers that your fly must collect to answer math questions right. The real challenge: Collect those numbers while avoiding the spider who has her eye on you for lunch! Or, make the walls of the maze invisible and see how well you navigate and count. Speed through a maze and collect more points, increase the challenge, choose a skill level and design your own maze. Access with joystick if you want.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 64K | \$39.95 |

LEARNING CO. (THE)

MATH RABBIT

ISPN 43870-430

Ages 4-7: A matching game that teaches early math concepts.

MATH RABBIT asks you to match sets of objects with numbers. As you move along with MATH RABBIT, you'll add and subtract one and two-digit numbers. It will help your child gain a richer understanding of numbers and basic math concepts. MATH RABBIT School edition includes two disks, a teacher's guide, a scope and sequence chart, on-

line and off-line activities and blackline masters. Digitized voice and sound effects allow children to hear a friendly voice pronounce numbers and problems as they appear onscreen to reinforce children's recognition of numbers. Can be customized with over 50 options such as game speed, grade level, number ranges and specific math operations. Provides an interactive tutorial.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$59.95 |
| <i>Requirements: School edition (includes backup disk).</i> | | | |
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$39.95 |
| <i>Requirements: CGA, EGA or Hercules Graphics Adapter.</i> | | | |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

MATH WORD PROBLEMS (VER. 1.0)

ISPN 58655-065

Ages 8 and up: Build skills to solve math word problems. Permits creation of custom program. Allows adjustment to match progress.

MATH WORD PROBLEMS helps students build the skills they need to solve word problems in addition, subtraction, multiplication and division. Permits teachers or parents to adjust problems and create custom programs. As students use MATH WORD PROBLEMS, they use math skills to solve the word problems. The program corrects inaccurate answers, highlights incorrect sections and displays correct operations in order. The program starts with over 150 word problems stored on disk. As the student becomes more proficient, select and adjust the word problems to match progress. Use the 'Add-Your-Own-Problems' feature to create an open-ended program to suit individual needs. The School Lab Pack includes five disks and an instruction manual. A color monitor is recommended.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |

SPRINGBOARD SOFTWARE

PIECE OF CAKE MATH

ISPN 75309-581

Ages 7-13: Learn math concepts working and playing in a bakery.

PIECE OF CAKE MATH helps children learn progressively more difficult math concepts. And they can have fun at the same time. 'The Bakery' is the magical shop where cakes are baked and sold. Children learn to add, subtract, multiply and divide by counting cakes as they come out of the oven and are sold to customers. 'Catch-a-Cake' is a challenging multiple-skill level game that children can play to sharpen and refine math skills. But if they have any trouble, the Bakers are there to explain how to get the answers. PIECE OF CAKE MATH also includes suggestions for additional activities on and off the computer. Contains two math-skill games, provides on-line help and offers multiple skill levels.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$34.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$34.95 |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR WORD PROBLEMS

ISPN 58655-780

Ages 7 and up: Provides beginning practice in solving math word problems.

Children solve math problems related to everyday situations -- adding the number of holes in a pair of torn jeans, or calculating the number of cookies left on a plate. The program contains hundreds of addition, subtraction and simple multiplication problems in sentence form at six grade levels of difficulty. Teachers and parents may set a starting level of difficulty and the program will automatically advance as a student answers correctly. The correct procedure is displayed when a student answers incorrectly. The number of tries allowed is changeable. Teachers and parents may add their own problems. All problems may be printed for off-screen practice session or for use as tests. A report card option provides record-keeping for up to 40 students. Deductive as well as arithmetic skills are put to use. Children are rewarded with animations when they answer correctly. A color monitor is recommended. The school lab pack includes five disks and one instruction manual. A free exchange coupon for 3.5-inch disk is included.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

48K

PRICE

\$49.95

*Requirements: CGA, EGA or equivalent graphics card.***271 EDUCATION/MULTIPLICATION/DIVISION****VISION SOFTWARE****MULTIPLICATION/DIVISION**

ISPN 85371-525

Grades 3-8: Contains five programs that help students learn about multiplication and division.

MULTIPLICATION/DIVISION contains several programs. 'Basic Multiplication Facts' introduces students to the beginning skills needed for multiplication problem-solving. The multiplication symbol and the horizontal/vertical formats are presented in a clear cut and precise manner. With 'Basic Division Facts', students learn the basics of beginning division. The symbol for division and the horizontal/vertical method as well as the fractional form are introduced. In 'Multiplication Problems', students are given the chance to practice their knowledge of multiplication through a series of problems with numbers of up to three digits to multiply with up to four digit numbers. 'Division Problems' provides drill and practice for a better understanding of important concepts. Problems range from one to six digit divisors and up to six digit dividends. 'Multiplication and Division Problems' is a drill and practice routine that lets students choose the size of the problems they solve. The numbers used in the problems are also randomly selected to avoid duplicate problems.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

COMMODORE 64/128

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

5 1/4-inch disk

MEMORY

128K

64K

256K

PRICE

\$9.99

\$9.99

\$9.99

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2-inch disk

MEMORY

256K

PRICE

\$9.99

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.**STICKYBEAR MATH 2**

ISPN 58655-350

Ages 7 and up: Provides students with practice and drills for multiplication and division.

This program, like it's counterpart Stickybear Math 1, can be individually configured for specific levels and customized for up to 40 students. STICKYBEAR MATH 2 keeps records for up to 40 students and has 37 levels with automatic level-of-difficulty monitor to adjust problems, minimize frustration and keep users challenged. Features high resolution graphics, animated objects and funny sounds to keep students interested as it provides practice and drills. Levels range from single factors to three-digit multiplication and two-digit divisors. Includes posters. Apple, Atari, and IBM versions also contain stickers. A free exchange coupon for 3.5-inch disk is included.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

COMMODORE 64/128

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

5 1/4-inch disk

MEMORY

48K

48K

128K

PRICE

\$39.95

\$39.95

\$39.95

273 EDUCATION/READING/VOCABULARY**VISION SOFTWARE****ALF'S WORLD OF WORDS**

ISPN 85371-102

Ages 6 and up: Alf will help you 'Alf'-abetize his special lists of words and create new compound words.

ALF'S WORLD OF WORDS contains three education games. A special section is provided for parents and teachers, outlining the information presented in the lessons. Lesson One: Melmac, cat, pizza. Alf needs your help in 'Alf'-abetizing his favorite Melmacan words. Can you put the lists of words in alphabetical order. Three levels of difficulty are provided. Lesson Two: Catnap, catfish - what do these words have in common? Besides mentioning Alf's favorite pet, they are both compound words. Alf will provide several lists of words for your child to create their own compound words. The compound word will come together when the answer is correct. Three levels of difficulty are provided. Lesson Three: When does comfort become uncomfortable - when adding a suffix and a prefix. In this lesson, Alf will help your child add prefixes and suffixes to words. Three levels of difficulty are provided. These lessons are designed so children can run them on their own. If supervision is desired, short descriptions as well as suggestions are given to provide additional assistance.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

MEMORY

128K

256K

PRICE

\$14.99

\$14.99

AMERICAN EDUCATIONAL COMPUTER, INC.**MATCHMAKER SPANISH****ISPN 02890-680**

Develops Spanish vocabulary skills by matching words and phrases in a variety of subjects.

MATCHMAKER SPANISH develops the basic Spanish skills found in the top five Spanish I texts and strengthens English to Spanish translation.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$19.95 |

DAVIDSON & ASSOCIATES, INC.**READ 'N ROLL****ISPN 24075-675**

Grades 3-6: Games and graphics that encourage reading and vocabulary skills.

READ 'N ROLL reading activities include Main Idea, a practice session on finding the important points in a passage. Facts, helps you recall whos, whats, whys, wheres and whens. Sequences asks you for the order of the 'whens.' Inferences has you analyze what you have read. In the arcade-style, vocabulary building Bowling Game, you score when you hit the right definition; the scoreboard lights and the crowd cheers. If you miss a question, the computer gives you a 'hint.' Pull-down menus, icons, animation and color encourage you to practice some more! Contains five reading activities with 320 reading passages. Allows access with a mouse or keyboard. Lets students add new material to reading or vocabulary sections. Optional timing allows pace to increase or decrease. Provides sound effects, color and high-resolution graphics.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 256K | \$49.95 |

LEARNING CO. (THE)**READER RABBIT****ISPN 43870-487**

Ages 4-7: Animated games that improve letter, word and memory skill.

READER RABBIT games help your child identify letters, sort them into words and put them into a sequence. They also tutor your child to recognize patterns and words, to concentrate on content and to build vocabulary. The last Reader Rabbit game reviews all the skills in earlier games. Reader Rabbit uses over 200 three-letter words and 70 high-resolution pictures to keep your child's attention. Supports 16-color EGA and TGA as well as VGA and PS/2 MCGA mode, four-color CGA and Hercules monochrome. Adapt each game to the child's learning level. Correct solutions are rewarded with a dancing rabbit. The School Version of Reader Rabbit includes a program disk, a back-up disk, a scope and sequence chart, a blackline master and a teacher's guide. Play alone or with others.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$39.95 |
| <i>Requirements: CGA.</i> | | | |
| APPLE MAC, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$59.95 |
| <i>Requirements: 800K disk drive.</i> | | | |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR PARTS OF SPEECH

ISPN 58655-600

Grades 2 and up: Teaches student to identify parts of speech from word lists and paragraphs.

Students identify parts of speech such as nouns, verbs, adjectives, or prepositions from word lists and from within paragraphs. Lively animation rewards users when they complete a task. In the Word Machine and Sentence Machine activities, students race against time to get more points for correct answers. Lessons are divided into four levels of difficulty. As students progress, more parts of speech are introduced. For example, level one introduces nouns, plural nouns (add 's' only), pronouns, adjectives and verbs, while level four contains advanced nouns, plural nouns ('s', 'es', and 'ies'), pronouns, adjectives, verbs, proper nouns, conjunctions, prepositions and interjections. Teachers and parents can create their own lists and sentences or set ability levels or particular parts of speech to be used. Lists, sentences, and paragraphs as well as individualized tests can be created and printed. A color monitor is recommended. The school lab pack includes five disks and one instruction manual. A free exchange coupon for 3.5-inch disk is included.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$49.95 |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR READING

ISPN 58655-650

Ages 5-8: Builds vocabulary and reading comprehension skills with three activities.

Reinforces word recognition and the concept of sentence structure, using high-resolution graphics and lively animation. Students can match illustrated words or they can watch the action, then choose the correct word for the sentence blanks. Students can create their own sentences by combining nouns, verbs and objects. The Stickybear then acts out whatever sentence is formed. A poster is included, and the Apple and IBM versions also come with a book - 'The Stickybears Scary Night,' and Stickybear stickers. Given the Evanston Educators Award for Excellence. A color monitor is recommended. The school lab pack includes five disks and one instruction manual. This program is packaged with both 3.5-inch and 5.25-inch disks.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 48K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR READING COMPREHENSION

ISPN 58655-500

Teaches critical reading skills with automatic skill level advance. User can customize or print the included 30 on-line stories.

STICKYBEAR READING COMPREHENSION contains more than 30 stories stored on disk - each one, high in kid-appeal and approved by Weekly Reader editors. Provides comprehension questions following each story. Special features include: entering your own stories and questions, choosing appropriate grade level stories (2 to 4) and ability to print out the stories and answers. The program automatically advances to the level of the child. Includes Stickybear stickers and a poster. A free exchange coupon for 3.5-inch disk is included.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

48K

PRICE

\$49.95

DAVIDSON & ASSOCIATES, INC.

WORD ATTACK PLUS FRENCH

ISPN 24075-801

Grades 7 and up: Teaches students of all ages to master beginning foreign language vocabulary.

WORD ATTACK PLUS FRENCH offers five interactive learning activities covering over 950 vocabulary words, grouped into 16 units. Includes five sequential learning activities: Word display, multiple choice, sentence completion, word match and word attacker game. Word display is a tutorial activity that teaches students vocabulary words, translations and see each word in context. Multiple choice builds on the word display activity, students select a translation for each word. Sentence completion challenges students to complete sentences using the correct words. A unique 'hint' feature can be accessed easily. Word Match is a word-strategy game that challenge students to correctly match words and translations. Word Attacker game is a fast-paced, entertaining, arcade-style game which reinforces words and their translations. Each of the foreign language programs contains appropriate fonts to allow users to customize the program by adding their own vocabulary words. Teachers use simple commands to formulate and print out tests for their students. Students can print flashcards so they can study words away from the computer. A printer and mouse are optional.

SYSTEM

APPLE IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$49.95

Requirements: Extended 80-column card.

APPLE IIC, IIE, IIGS

5 1/4-inch disk

128K

\$149.95

Requirements: Lab pack. Extended 80-column card.

APPLE IIC, IIE, IIGS

3 1/2-inch disk

128K

\$149.95

Requirements: Lab pack. Extended 80-column card.

APPLE IIC, IIE, IIGS

3 1/2-inch disk

128K

\$49.95

Requirements: Extended 80-column card.

IBM/MICROSOFT PC/MS-DOS 2.1+

5 1/4-inch disk

512K

\$49.95

Requirements: CGA.

IBM/MICROSOFT PC/MS-DOS 2.1+

5 1/4-inch disk

512K

\$149.95

Requirements: Lab pack. CGA.

IBM/MICROSOFT PC/MS-DOS 2.1+

3 1/2-inch disk

512K

\$149.95

Requirements: Lab pack. CGA.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+
Requirements: CGA.

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

DAVIDSON & ASSOCIATES, INC.

WORD ATTACK PLUS SPANISH

ISPN 24075-800

Grades 7 and up: Teaches students of all ages to master beginning foreign language vocabulary.

WORD ATTACK PLUS SPANISH offers five interactive learning activities covering over 950 vocabulary words, grouped into 16 units. Includes five sequential learning activities: Word display, multiple choice, sentence completion, word match and word attacker game. Word display is a tutorial activity that teaches students vocabulary words, translations and see each word in context. Multiple choice builds on the word display activity, students select a translation for each word. Sentence completion challenges students to complete sentences using the correct words. A unique 'hint' feature can be accessed easily. Word Match is a word-strategy game that challenge students to correctly match words and translations. Word Attacker game is a fast-paced, entertaining, arcade-style game which reinforces words and their translations. Each of the foreign language programs contains appropriate fonts to allow users to customize the program by adding their own vocabulary words. Teachers use simple commands to formulate and print out tests for their students. Students can print flashcards so they can study words away from the computer. A printer and mouse are optional.

SYSTEM

APPLE IIC, IIE, IIGS
Requirements: Extended 80-column card.

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$49.95

APPLE IIC, IIE, IIGS
Requirements: Lab pack. Extended 80-column card.

5 1/4-inch disk

128K

\$149.95

APPLE IIC, IIE, IIGS
Requirements: Lab pack. Extended 80-column card.

3 1/2-inch disk

128K

\$149.95

APPLE IIC, IIE, IIGS
Requirements: Extended 80-column card.

3 1/2-inch disk

128K

\$49.95

IBM/MICROSOFT PC/MS-DOS 2.1+
Requirements: CGA.

5 1/4-inch disk

512K

\$49.95

IBM/MICROSOFT PC/MS-DOS 2.1+
Requirements: Lab pack. CGA.

5 1/4-inch disk

512K

\$149.95

IBM/MICROSOFT PC/MS-DOS 2.1+
Requirements: Lab pack. CGA.

3 1/2-inch disk

512K

\$149.95

IBM/MICROSOFT PC/MS-DOS 2.1+
Requirements: CGA.

3 1/2-inch disk

512K

\$49.95

DAVIDSON & ASSOCIATES, INC.

WORD ATTACK PLUS!

ISPN 24075-851

Grades 4-12: Teaches new words and definitions as students build vocabulary skills essential to reading and writing.

Includes five learning activities: Word display, multiple choice, sentence completion, word match and the Word Attack game. To award outstanding scores, WORD ATTACK PLUS! includes an option to print out a Certificate of Excellence with graphics. Teachers

have the option to print sentence completion tests for their students. Users can create flashcards from original or custom data. Then they can print the flashcards for additional study. Other features include record-keeping, positive reinforcement, optional sound effects, animation and color, pull-down menus, double high-resolution graphics and an editor which includes foreign language fonts for Spanish, French and German.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| APPLE IIC, IIE, IIGS | 3 1/2-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 256K | \$49.95 |

DAVIDSON & ASSOCIATES, INC.

WORD ATTACK!

ISPN 24075-300

Grades 4-12: Multi-level word games help students acquire a way with words.

WORD ATTACK! helps you learn to use more words effectively whether you are in a gifted program, a remedial program or are learning English as a second language. Words and sentences are given in four different graphic exercises. You can even choose between nine skill levels. One puts you in a fast action arcade game and another gives you a multiple-choice definition quiz. A third exercise shows you sentences with words missing. You type in the missing word. The computer keeps score and shows your errors. The C version of the program has speech capability for voice synthesis. Lets students quiz themselves. You can add data files and words lists. Uses graphics.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 64K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 128K | \$49.95 |

278 EDUCATION/SCIENCE

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

CHEM LAB

ISPN 70387-160

Ages 9-13: Computerized chemistry laboratory with more than 50 complex problems to solve.

Includes two robot arms which allow you to manage experiments, five pieces of laboratory equipment and three bunsen burners to solve problems. When the experiments, with varying degrees of difficulty, are completed, they promote kids from the ranks of lowly Lab Assistants to the heights of Nobel Prize Winners. Each

experiment includes a variety of solid, liquid, and gaseous chemicals; by combining, heating, precipitating, and condensing them, thousands of possible chemical combinations can be created...but be careful! Combine the wrong chemicals, and the image onscreen explodes.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$19.95 |

Requirements: CGA.

BRITANNICA SOFTWARE-DESIGNWARE DIVISION

DESIGNASAURUS

ISPN 24936-345

Teaches biological classifications, food chain theories, ecological balance and prehistorical events. Develops problems solving skills.

DESIGNASAURUS allows students to put together pre-historic giants by choosing a head, neck, body and tail from the museum's collection of fossilized dinosaur bones. Twelve dinosaurs can be printed out in report size, poster size, or jumbo. Students can learn to survive as a Brontosaurus, Stegosaurus or Tyrannosaurus Rex by roaming the earth, eating the right food, avoiding certain predators and natural disasters. If you can live long enough, you can receive a certificate from the dinosaur hall of fame. Provides three programs on one disk.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|----------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$39.95 |

Requirements: Grappler card with the Epson printer or Super Serial card with the Imagewriter. Color monitor.

| | | | |
|---------------------------------|-----------------|------|---------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |

Requirements: CGA, Epson, IBM or Okidata only.

BRODERBUND SOFTWARE, INC.

SCIENCE TOOLKIT MODULE II-EARTHQUAKE LAB

ISPN 08850-147

Ages 9 and up: Use the sensitive on-screen seismograph and plotter to learn about harmonic and wave motion.

The sensitive seismograph and on-screen seismograph plotter let you explore the phenomena of harmonic and wave motion whether it is measuring who has the heaviest footsteps or how much trucks and buses shake your house as they go by. School edition includes a teacher's guide and a back-up disk. Additional teacher guides are available for \$10.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |

Requirements: Science Toolkit Master Module (ISPN 08850-145).

289 EDUCATION/SPEED READING

TIMEWORKS, INC.

EVELYN WOOD DYNAMIC READER

ISPN 82000-215

Ages 14 and up: Improves reading comprehension, retention and speed.

Provides the exercises and tools to allow the user to develop skills at his own pace. Repeat exercises as often as desired. The program consists of two disks and a user's manual. One disk contains the actual operating programs for the DYNAMIC READER. The other disk contains the text and comprehension quizzes for the reading exercises. Progress will be automatically recorded and the user may view the results on bar charts.

SYSTEM

COMMODORE 64/128
IBM/MICROSOFT PC/MS-DOS 2.0+
APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
5 1/4-inch disk
3 1/2-inch disk

MEMORY

64K
128K
128K

PRICE

\$19.95
\$39.95
\$49.95

DAVIDSON & ASSOCIATES, INC.

SPEED READER

ISPN 24075-125

Improves reading skills by increasing speed and maintaining or improving comprehension.

SPEED READER comes with an easy-to-use editor which allows you to enter your own reading selections. A grade level analyzer which measures the reading level of the material you enter is one of the editor's many features. Other features include: Peripheral vision exercises, eye span exercises, computerized tachistoscope, eye movement training, reading passage training, timed speed tests, automatic speed computation, 35 reading selections, comprehension tests, entry and exit at any level, easy-to-use editor, grade level analyzer, print-out capabilities, upper and lower case display, positive reinforcements, optional sound effects, optional color and additional data disks available for \$19.95. Each data disk contains 20 Eye Movement/Column Reading selections and 15 Paced Reading/Timed Reading selections, with comprehension questions. They are available for the following levels: Disk A- grades 5-6. Disk B- grades 7-9. Disk C- grades 10-12. Disk D- college students and adults.

SYSTEM

APPLE II +, IIC, IIE, IIGS
APPLE II, II +, IIC, IIE, IIGS
COMMODORE 64/128
APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk

MEMORY

48K
48K
64K
512K

PRICE

\$69.95
\$69.95
\$49.95
\$69.95

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

SPEED READING TUTOR IV

ISPN 70387-705

A personal reading acceleration program for students, business people and pleasure readers.

Combines lessons, personalized feedback, and games to help the user improve reading skills and comprehension. Lessons include works by contemporary authors such as James A. Michener, Kurt Vonnegut, Jane Fonda, John Houseman, and George Plimpton. Features Eyerobics, a game of visual perception that helps the user keep reading skills honed to the highest levels. Also features Time Response Monitoring, which analyzes test results and automatically adjusts to the user's abilities and progress, creating custom-designed lessons.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$39.95 |

290 EDUCATION/SPELLING

LEARNING CO. (THE)

MAGIC SPELLS

ISPN 43870-425

Ages 6-12: Sharpens spelling skills by unscrambling words and spelling 'flash words'.

MAGIC SPELLS includes 14 word lists and challenges students to unscramble and spell words while they make their way through a colorful, action-filled kingdom. Educational features include: Unscrambling words, spelling recall, individualized spelling lists and spelling challenges. Create and add your own word lists, choose a learning level, adjust timing and access a 'help' option. Meet up with a unicorn and the 'royal count'. MAGIC SPELLS School edition includes a program disk, a back-up disk, a scope and sequence chart, a blackline master and a teacher's guide.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$39.95 |
| <i>Requirements: CGA.</i> | | | |

DAVIDSON & ASSOCIATES, INC.

SPELL IT PLUS

ISPN 24075-700

Ages 10 and up: Spell It Plus has five interactive learning activities. Teaches and reinforces spelling with humorous antics.

SPELL IT PLUS features an amazingly athletic frog who slam dunks basketballs, jumps hurdles and even rides the waves on a surfboard. Contains over 1,000 commonly misspelled words and an easy-to-use editor that allows parents and teachers to add their own word lists in English, Spanish, French and German. Prints a certificate of excellence to reward perfect scores, word-search puzzles to provide extra fun for learning new words and lists of words mastered and missed after every activity to give students the benefit of 'up-to-the-minute' progress checks. Offers a wide variety of challenging activities that teach spelling, spelling rules and syllabification. For example, SPELL IT PLUS offers practice in proof-reading and editing as students identify and correct misspelled words. Throughout the program, SPELL IT PLUS uses sentences in context to teach definitions as well as correct usage of words. Offers practice in

keyboard skills as students type in correctly spelled words. Students who move through each of the SPELL IT PLUS' five activities are exposed to the same word list at least a dozen times. Multiple exposures to the same words enable students to master the words more quickly.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| APPLE IIC, IIE, IIGS <i>Requirements: Teacher pack (includes 2 copies). Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$59.95 |
| APPLE IIC, IIE, IIGS <i>Requirements: Lab pack (includes 5 copies). Extended 80-column card.</i> | 5 1/4-inch disk | 128K | \$149.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: Graphics adapter.</i> | 3 1/2 and 5 1/4 | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: Teacher pack (includes 2 copies).</i> | 3 1/2 and 5 1/4 | 512K | \$59.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: Lab pack (includes 5 copies).</i> | 3 1/2 and 5 1/4 | 512K | \$149.95 |
| NOVELL NETWARE 286 2.0A+ | 3 1/2 and 5 1/4 | 512K | \$299.95 |

DAVIDSON & ASSOCIATES, INC.

SPELL IT!

ISPN 24075-150

Ages 10 and up: Sharpens spellings skills and reviews rules through games and activities that are fun to play.

SPELL IT! includes Practice It, a game that automatically displays a word (and sometimes a spelling rule) on your screen. The word then disappears and you must type the word correctly. Unscramble It, a game for one or two players, displays scrambled letters in boxes on a grid. You select a box and unscramble the letters. You get bonus points for certain combinations of boxes. Spell It features a frog that gobbles up words. But before the frog can eat, you must separate the words that are spelled correctly from those that are not. Choose carefully, this frog is a picky eater! Provides several different skill levels. Lets you add more words.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 48K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 128K | \$49.95 |
| ATARI XE, 65XE, 130XE, 600 XL, 1200XL | 5 1/4-inch disk | 48K | \$49.95 |

BRITANNICA SOFTWARE-DESIGNWARE DIVISION

SPELLICOPTER

ISPN 24936-747

Ages 6-10: An action spelling game in your helicopter. Contains 400 words in 40 lists.

SPELLICOPTER is an action game you can play to help improve your spelling. Pilot your helicopter to rescue stranded letters. Fly over mountains while dodging UFOs. Pick up

the stranded letters to spell a word correctly. But you better hurry! Your fuel is running out. Return to homebase with all your letters before your fuel runs out. If you make it, you win game points. This spelling game lets you start at your own skill level. As your skills increase, move to the next level of difficulty with harder words and more dangerous flying hazards. It includes 400 words in 40 lists. Add your own word list to make spelling or foreign language homework more fun. SPELLICOPTER even lets you create trivia games to help you study history, literature or other subjects.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$39.95 |

AMERICAN EDUCATIONAL COMPUTER, INC.

SPELLING-GRADES 2-8

ISPN 02890-215

A series of seven programs that highlight 4,233 of the most commonly used words in writing.

AEC SPELLING-GRADES 2-8 brings students 97 percent of the words ever used in written work, compiled after 25 years of research. You'll test yourself, teach yourself, then test yourself again, a method that's been proven effective in increasing spelling skill. AEC SPELLING-GRADES 2-8 includes four, two-sided disks. Provides five different learning activities. Uses test-teach-test method. Allows one or two users.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$49.95 |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR SPELLGRABBER

ISPN 58655-720

Ages 6-9: Contains over 4,000 words to build children's spelling and vocabulary skills.

The program contains three activities and the word list is taken from the Weekly Reader word list and the Ginn Lexicon. Parents and teachers can select grade levels from one to four, and can create and edit their own word lists and focus on specific spelling or vocabulary needs for a range of ages. In Picture Spell, children move Stickybear through a maze of shelves to pick up the correct letters illustrated by a picture at the top of the screen. Word Spell, a little more challenging, requires users to unscramble letters to spell and reconstruct words. In Bear Dunk, similar to the 'Hangman' game, one or two players try to guess words, letter by letter, before Stickybear gets dunked in a tank of water. Children score points for correctly spelled words. A color monitor is recommended. The school lab pack includes five disks and one instruction manual. A free exchange coupon for 3.5-inch disk is included.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$49.95 |

292 EDUCATION/VOCATIONAL/BUSINESS SKILLS

ADDISON WESLEY PUBLISHING CO.

TEACH YOURSELF ESSENTIALS OF ACCOUNTING

ISBN 00900-830

An interactive course which gives users a solid understanding of essential accounting terminology and principles.

TEACH YOURSELF ESSENTIALS OF ACCOUNTING covers topics such as income statements and financial statements for use by students who need to learn the fundamental concepts of accounting and for use by professionals who need to brush up on accounting concepts. Documentation includes common accounting forms and post tests to track progress.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: 80-column card.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Two disk drives.</i> | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$49.95 |

325 INDUSTRIES/COMPUTER-AIDED DESIGN (CAD)

AUTODESK, INC.

AUTOSKETCH

ISBN 06050-300

A fully functional system for precision drawing.

AUTOSKETCH allows you to draw with a mouse, using pull-down menus and dialogue boxes. Automatically draw lines, arcs, circles, points, polygons, and spline curves. Once you have drawn something you can move it anywhere in your drawing. Combine objects into groups and edit them as a whole, erase or break objects apart or draw in color. Accuracy of more than six decimal places. Prints any section of drawings at any scale. Printers and plotters supported include Epson, Hewlett-Packard Laser-Jet, IBM Proprinter XL, Okidata, TI Omni or PostScript printers and Hewlett-Packard and Houston Instrument pen plotters.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 512K | \$149.95 |

VERSACAD CORP.

CADAPPLE (VER. 3.5)

ISPN 79543-060

Provides general purpose drafting for use by engineers, architects, designers and drafters.

An interactive graphic-based CAD system for micros with full 2-D drafting features including auto scaling, auto dimensioning, symbol library editor for symbol selection from digitizer, automatic cross-hatch, area and other calculations, snap, grids, unlimited zoom, 250 layers, plot on mylar, vellum or bond up to E size (24 x 36). It is menu driven, easy to use and very fast. Does Not support Apple ImageWriter. Supports Apple, Houston DMP and H P plotters, and parallel-Only printers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$395.00 |
| <i>Requirements: Digitizer tablet, mouse or joystick, plotter. Apple II GS needs super serial card and monochrome monitor.</i> | | | |
| APPLE IIGS | 3 1/2-inch disk | 64K | \$395.00 |
| <i>Requirements: Digitizer tablet, mouse or joystick, plotter, super serial card and monochrome monitor.</i> | | | |

VERSACAD CORP.

CADAPPLE-ENTRY LEVEL

ISPN 79543-055

Introductory level CAD system for engineers, architects, designers and students.

An interactive graphic-based CAD system with full training material, including a 170-page training manual and audio tape. Software includes auto-dimensioning. Fourteen decimal precision, snap grids, unlimited zoom, built-in drawing objects and layers. Does Not allow printer output. Supports Apple, Houston DMP and H P plotters.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$99.00 |
| <i>Requirements: Mouse or joystick.</i> | | | |

GENERIC SOFTWARE, INC.

CADD STARTER KIT

ISPN 32537-175

A complete introduction to drawing and drafting. Includes a workbook tutorial, Generic CADD Level 2 and more.

CADD STARTER KIT includes Generic CADD Level 2 (ISPN 32537-340), a step-by-step workbook tutorial, the Basic Home Design symbol library (ISPN 32537-700) and a diskette of tutorial and sample drawings. Generic CADD Level 2 is for the entry to intermediate level CADD user. It has additional design and drafting capabilities such as snaps, single line trims, extends and dimensioning. You can convert Generic CADD drawings into a format compatible with your favorite desktop publishing package. Level 2 supports .PCX, .TIFF, .IMG, .GX2, .MSP AND .EPS, including PostScript's fill and arc commands. Draw floor plans, elevations, product drawings and alterations. Prepare professional drawings with precision and ease, and create flow charts, organization charts, graphs, presentations, forms and flyers. The step-by-step tutorial will guide you through a basic floor plan while it familiarizes you with the different drawing commands.

When you're finished, modify your drawing with the Basic Home Design symbols. Add a sink here, a tub there. Plant a tree in the yard. The options are unlimited. Level 2 supports most popular mice. You can print drawings to scale on over 100 dot matrix or laser printers. For large scale, professional quality, plot your drawings with one of the several popular plotters supported by Level 2.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$199.95 |
| <i>Requirements: Two disk drives or hard disk, EGA.</i> | | | |

CLARIS CORP.

CLARIS CAD

ISPN 12784-150

Two dimensional design and drafting with geometric construction and support of ANSI Y14.5, ISO, DIN, JIS, and BS308 standards.

Designed for mechanical engineers, industrial designers, architects, drafters, and engineering and technical professionals. Includes mouse or keyboard entry, construction of fillets, tangents and perpendiculars, and auto-dimensioning. Geometric construction features include freehand, object-oriented sketching, double line drawing, optional keyboard entry of object size/location, area and perimeter calculations, construction from endpoints, centers, intersections, corners and other geometry, fillets and chamfers, trim, divide and extend, and multiple duplication in linear or radial patterns. Supports standard and customizable hatching. Other features include regular polygon tools, construction methods for rectangles, ovals and circles, mirror with and without copy, window tiling and arrangement, and construction lines. Users may paste any symbol or drawing with flipping, individual x and y scaling, and rotation. Dimensioning features include automatic, linear, radial, diametral, and angular, chained, datum (baseline), and standard, customizable arrowheads and tickmarks, tolerancing, preset or custom settings for all aspects of dimension appearance, and automatic circle centerlines. Users may import or export from IGES, DXF or PICT. Users can move drawings to and from AutoCad (ISPN 06050-100) with optional Claris Graphics Translator (list \$299). Layering is limited only by the amount of memory available and users can hide or show any combination. Includes customizable object libraries. Fonts can range in size from one to 127 points in multiple styles, size, and justification. Text can be justified, colored or rotated. Provides up to 255 custom dashed line styles and 255 custom line densities up to one and one-half inch. Color support for drawing and output is included with up to 16000 custom fill patterns in monochrome or color. Zoom windowing allows for zooming from three percent to 3200 percent of the original size. Supports ANSI Y14.5, ISO, DIN, JIS, and B308 standards. Printers and plotters supported include the Apple LaserWriter, LaserWriter Plus, LaserWriter II NT, NTX, and SC, the Apple ImageWriter II and LQ, Hewlett Packard 7440A, 7475A, 7550A, 7580B, 7585B, 7586B, 7595A, 7596A. Houston Instruments printers that are supported include the DMP series 29, 40, 41, 42, 51, 51MP, 52, 52MP, 56A MP, PC 595A and the PC 695A. A hard disk is recommended. For large drawings, 2MB or more is recommended.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$799.00 |
| <i>Requirements: System Software 6.02 or higher (ISPN 03900-700).</i> | | | |

AMERICAN SMALL BUSINESS COMPUTERS, INC.

DESIGNCAD (VER. 4.0)

ISPN 03025-060

A computer-aided design system which includes features to aid in making scale drawings, enhanced editing capabilities and more.

DESIGNCAD is an easy to use computer-aided design (CAD) program for drafting and design. Includes over 500 industrial and architectural pre-designed symbols with the ability to easily create your own. Works with DesignSYM with over 4000 symbols in 40 libraries, including HVAC, electrical, piping, and more. DESIGNCAD includes 16 fonts, extensive editing features, complete automatic and associative dimensioning capabilities, zoom, scaling, merge, six simultaneous on-screen views, extensive peripheral support (over 400). Supports over 50 graphics cards, more than 250 printers, over 80 plotters, most digitizers and mice, animated custom slide show program, extensive file import/export (IGES, DXF, HPGL, GEM, PostScript, ASCII text, x/y coordinates, binary print files, PCX), bill of materials list extraction, calculations, installation and tutorial manual, reference manual, free and unlimited technical support, and more. Commands include rubber band box and line; undo; move; copy; save; erase; lines; circles; curves; ovals; arcs; point set absolute, relative and polar; zoom; zoom window; rotate; precision scaling; 39 hatch patterns; three different display grids; snap grid; freehand sketch mode including parallel, perpendicular and tangent lines, fillet and chamfer; object, line, point, intersection, grid, and midpoint snap; area; perimeter; wide lines; eight line types; macro; programming language; infinite overlays; 60 named layers; 16 colors; stretch; arrow; 15 different block commands to operate on several parts of a drawing at once; cut; delete; change color; three different cursors; pan; paint; point mover; polygon; quarter and half circle; tangents; trim and more. Works with most desktop publishers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 640K | \$299.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 3 1/2-inch disk | 640K | \$299.95 |

AMERICAN SMALL BUSINESS COMPUTERS, INC.

DESIGNCAD 3D (VER. 2.2)

ISPN 03025-210

A 3-D CAD program for drafting, design and modeling with true solids modeling and boolean operations.

DESIGNCAD 3D features complete dimensioning tools, hidden lines, wireframe and rendering (shading). Provides four simultaneous views, extensive peripheral support and 16 fonts. With full solid-object modeling capabilities, you can analyze your drawing to determine the volume, surface area and even the center of gravity. Permits you to check for interference between objects. Provides extensive editing features and complete automatic and associative dimensioning capabilities. Includes an animated custom slide show program. Has the ability for extensive file import and export. Commands include rubber band box and line, undo, move, copy, save, erase, lines, circles, curves, ovals and arcs. You can transfer your drawings to desktop publishing systems and other graphics applications, using any of several file formats supported by DESIGNCAD 3D.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 640K | \$399.95 |

FORESIGHT RESOURCES CORP.**DRAFIX CAD ULTRA****ISPN 31134-256**

A 2-D CAD package which can turn your drawings into usable database and spreadsheet information.

DRAFIX CAD ULTRA is designed for architects, engineers, drafters, contractors, and other serious CAD users. All menus are visible all of the time. When a function includes optional features, a 'roll down' menu automatically appears to display all of the available options. Allows you to attach 'attributes' to objects in your drawing such as price, part number, vendor, description or any other information. That information can be used to generate reports such as bills of materials and parts lists. The Drafix word processing window is used to enter and edit text. Even large blocks of text can be entered, edited and rearranged in the text editing window and inserted into the drawing. Allows you to transfer files from Microsoft Word (ISPN 53150-731), WordPerfect (ISPN 68012-600) and other word processing programs. Features an automatic dimensioning system that allows you to enter dimensions simply by designating a start point, an end point and the location of the dimension line. Once your drawing is complete, the CADapult utility will let you convert it into usable database and spreadsheet information using Lotus 1-2-3 (ISPN 45525-050), dBASE III, Drafix CAD Report and other applications. Advanced features like parallel lines, arcs and circles, tangent and perpendicular lines, ellipses, polygons and pointmarkers are included. Nineteen contemporary font styles are provided for visual interest and professional appearance. Advanced editing capabilities are used for copying, moving, rotating or aligning items. Mirror objects around any axis to create complex symmetrical images in one step. Editing commands allow you to stretch, shorten, trim, bevel, round, erase, rotate, segment and scale objects. Extremely flexible dimensioning of lines, angles and arcs in any alignment is provided, along with advanced baseline and continuation dimensioning for greater efficiency. Dimension characteristics such as terminator types, text location, size, style and angle can be customized to your specific application. 640K RAM is recommended.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$395.00

*Requirements: Mouse or digitizer, printer or plotter.***INNOVATIVE DATA DESIGN, INC.****DREAMS****ISPN 37053-207**

A powerful precision drawing tool for scaled drawings, illustrations, presentations and general graphics.

DREAMS features color, layers, libraries, PostScript and an optional printer driver. Contains three palettes, including accessory, dimension and drafting palettes. The drafting palette is a set of tools for creating text, lines or shapes. Features tools for parallel lines, circles, arcs, rounded corner rectangles, ellipses, complex polygons, Bezier curves and spline curves. Provides tools for creating freehand shapes. The accessory palette contains tools for zooming, rotating objects around various axes, extending lines to intersection, and creating fillets. Includes a series of extensive tools for joining and modifying objects. The dimension palette supports both point-to-point and associative dimensioning. Automatically calculates string dimensioning between objects. Offers advanced features such as full Macintosh II color support, layers limited only by memory, keyboard entry for absolute precision, and a high-performance zoom, up to 32x. Includes floating palettes, and hierarchical and pop-out menus.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
Requirements: Hard disk.

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$500.00

GENERIC SOFTWARE, INC.**GENERIC CADD LEVEL I**

ISPN 32537-330

A 'first step' for learning CADD. Enables the user to create flow charts, organization charts, graphs and presentations.

GENERIC CADD LEVEL I is a full floating-point based computer-aided design and drafting program with accuracy to 16 decimal places. Drawing tools include point, lines (continuous and individual), rectangles and ellipses that can be placed at any angle, two- and three-point circles, center-start-end and start-end-bulge arcs, inscribed and circumscribed polygons with up to 360 sides, bezier and spline curves. Additional features include snap intersection, midpoint, to another object, grid and orthogonal. Virtually unlimited zooms and named views are available. Users can work in virtually any unit of measure including feet, feet/inches, fractions, decimal feet, meters, centimeters, arc degrees and angles. Objects can be moved, copied, erased or broken; rotated at any angle; and their scale changed. 256 layers can be displayed, edited and printed individually or in any combination. Symbols are not tied to drawing files - they can be used in any combination, in any drawing, at any time. Import/export capabilities include PICT file import/export, EPSF export, Clipboard, and translator utility to and from Generic CADD MS-DOS file format. A hard disk or dual 800K floppy disk drives and a math co-processor are recommended for the Macintosh version.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

384K

PRICE

\$49.95

Requirements: CGA, EGA or Hercules Graphics Adapter, two disk drives or hard disk.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

1024K

\$149.95

Requirements: System 4.2, Finder 6.0 or higher.

GENERIC SOFTWARE, INC.**GENERIC CADD LEVEL II**

ISPN 32537-340

A 2-D drafting and design tool for the intermediate level CADD user requiring more advanced drafting capabilities.

GENERIC CADD LEVEL II allows the user to combine words with pictures, draw floor plans, elevations, product drawings, and alterations. The drawing file format is compatible with any Generic CADD Level. Provides a full complement of geometric snaps including snap to the intersection of two entities, perpendicular to an entity, parallel to existing lines or tangent to circles and arcs. Contains utilities for simple and smart single line trimming and extending of entities. Smart trimming allows the clean-up of intersecting parallel lines to form 'X', 'T' or 'L' shaped corners. Automatically fillets and chamfers. Provides automatic placement of dimension lines, extension lines, leaders, arrowheads, and dimensioning text. Provides linear and angular dimensioning. Features repetitive dimensioning modes or partitioned, cumulative or non-summing. Dimensioning may be placed horizontally, vertically or aligned. The proximity of the extension lines may be fixed or varying. Enables the user to select dimensioning layer, text font, text height or color. Also enables the user to select arrowhead type (one of four), open or

closed, or tick marks, plus extension line length and offset, and label leader placement. Features support for plotters, digitizers, dot matrix and laser printers. Includes a manual. Math coprocessor, 640K RAM, two serial ports, and a mouse or digitizer tablet are recommended.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$149.95 |
| <i>Requirements: CGA, EGA or Hercules Graphics Adapter, two disk drives or hard disk.</i> | | | |

GENERIC SOFTWARE, INC.

GENERIC CADD LEVEL III

ISPN 32537-350

A 2-D drafting and design tool that offers capabilities required for daily production work.

GENERIC CADD LEVEL III features a full complement of geometric snaps, utilities for simple and smart single line trimming, and linear and angular dimensioning. Provides automatic placement of dimension lines, extension lines, leaders, arrowheads, and dimensioning text. Provides repetitive dimensioning modes, or partitioned, cumulative or non-summing. Dimensioning may be placed horizontally, vertically or aligned. The proximity of extension lines may be fixed or varying. Additional features include a macro command language, a high-speed dynamic drag mode, area fill and hatching and double line mode. Provides built-in support for plotters and most digitizers, dot matrix and laser printers and support for Expanded Memory Specification (EMS). The user may select dimensioning layer, text font, text height or color. The user also selects arrowhead type (one of four), open or closed or tick marks, plus extension line length and offset, and label leader placement. Includes a manual. Math coprocessor, 640K RAM, 2 serial ports, and a mouse or digitizer tablet are recommended.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$299.95 |
| <i>Requirements: CGA, EGA or Hercules Graphics Adapter, two disk drives or hard disk.</i> | | | |

GENERIC SOFTWARE, INC.

GENERIC UTILITIES

ISPN 32537-353

Offers file conversions from programs such as Lotus PIC files, ASCII files and HPGL plotter files to Generic CADD drawing files.

Includes features to optimize computer graphics capabilities. All of the following converters convert files to Generic CADD Level I (ISPN 32537-330), Generic CADD Level II (ISPN 32537-340), or Generic CADD Level III (ISPN 32537-350) drawing format. The HPGL Converter converts HPGL plotter command files, the DMPL Converter converts DMPL plotter command files, the PIC File Converter converts Lotus PIC files, and the Text Converter converts ASCII files. The Hatch Maker Utility allows the creation of hatch pattern files, the Curve Maker Utility allows the creation of curves from circles and arcs, the Font Development Kit allows the user to create and explode fonts, and the CADD Analyzer Editor Utility enables the user to analyze and edit drawings. A math coprocessor, 640K RAM, two serial ports, and a mouse or digitizer tablet are recommended.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$99.95

Requirements: CGA, EGA or Hercules Graphics Adapter, two disk drives or hard disk.

INNOVATIVE DATA DESIGN, INC.

IDD SYMBOL LIBRARY (1)-RESIDENTIAL CONSTRUCTION

ISPN 37053-375

Includes professionally-scaled residential, architectural symbols for use with Dreams.

IDD SYMBOL LIBRARY (VOL. 1)-RESIDENTIAL CONSTRUCTION is a two-disk set of symbols and details in six primary groups: Doors, windows, electrical, plumbing, typical details and general.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$249.00

Requirements: Hard disk, Dreams (ISPN 37053-207).

MICROGRAFX, INC.

IN * A * VISION (VER. 1.23)

ISPN 52493-400

Drawing system suited for engineering and architectural design on the high-end or organization and flowcharts on the low-end.

IN*AVISION creates complete technical drawings, blueprints, diagrams and electrical, mechanical and architectural designs. Includes 16 overlays, dynamic dimensions, a crosshair cursor, visible coordinates, symbol libraries and a user-defined drawing area (up to 68 X 68 inches), which can be divided into multiple pages. Updates to Designer (ISPN 52493-050) for \$99.00.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$495.00

Requirements: VGA, EGA or Hercules Graphics Adapter.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

512K

\$495.00

Requirements: VGA, EGA or Hercules Graphics Adapter.

INNOVATIVE DATA DESIGN, INC.

MACDRAFT (VER. 1.2B)

ISPN 37053-400

Features a streamlined set of drawing tools, multiple scales, zoom, automatic area calculation, dimensioning and custom fill patterns.

MACDRAFT is an entry-level drawing and drafting program which can be used for general business illustrations and desktop publishing presentations. Suitable for creating general sketches up to full working drawings and technical illustrations. Features include a continuous drawing mode, 16 different scales, zoom-in and zoom-out, point-to-point dimension lines, circles by radius or diameter, and arcs by radius or 3-points. Allows user to distribute objects along a line, rotate objects in one degree increments, and create objects by inside or outside diameter. Four separate documents

can be displayed simultaneously. Illustrations can be pasted to and from other documents, and pictures can be pasted from MacPaint. Includes 64 patterns for fill and ink, and flip objects. Program is not copy protected. Supports Apple's MultiFinder. Zoom Out: to see the entire drawing and also add large objects that may stretch beyond a normal view. Zoom In: to add fine details to your drawing that may not be convenient to create at a normal view.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$269.00 |

MATHSOFT, INC.

MATHCAD

ISPN 47784-500

A mathematical analysis tool to integrate equations, text and graphics together in a single live document.

MATHCAD allows the user to enter formulas and define variables anywhere on the screen. MATHCAD will then format the equations as they are typed and calculate the results (which can be shown as numbers, tables, or 2-D or 3-D plots). Allows the user to combine formulas, text, and graphs, and save the work at any point to print what is on the screen. Contains no coding or debugging. The user can see and document every step of a problem and try an unlimited number of 'what-ifs' and keep a record of each result. When a variable or formula is changed, the effect is immediately seen. Split screens can be employed to edit or compare calculations. MATHCAD handles matrix operations and simultaneous equation solving, does automatic unit conversions, works with real and complex numbers, displays Greek characters and standard math symbols, and offers a full range of built-in functions. If the user needs a function that is not already pre-defined, an original function may be defined. Checks each equation for errors as it is entered. Undefined variables, mismatched units, and other potential hazards are automatically flagged. Supports a wide range of printers and plotters. A math co-processor is recommended. The MS/DOS version is 2.5 and the Macintosh version is 2.0.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$495.00 |
| <i>Requirements: CGA, EGA, VGA or Hercules graphics adapter.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |

GENERIC SOFTWARE, INC.

SYMBOLS LIBRARY-BASIC HOME DESIGN

ISPN 32537-700

Contains over 120 pre-drawn symbols for use in drawing plans and elevation views of home designs.

SYMBOLS LIBRARY-BASIC HOME DESIGN provides pre-drawn cabinets, doors, windows, and electrical symbols. Plan views of all symbols are provided for use in drawing interior floor plans of homes. Many symbols are also available as an elevation (or front) view. Interfaces with Generic Cadd (ISPN 32537-300).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |

GENERIC SOFTWARE, INC.

SYMBOLS LIBRARY-BATHROOM DESIGN

ISP# 32537-711

Provides over 450 symbols for bathroom cabinets and fixtures, in both plan and elevation views.

SYMBOLS LIBRARY-BATHROOM DESIGN includes symbols for sinks and faucets, wall and base cabinets, vanities, fixtures, windows and doors.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$74.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$74.95 |

Requirements: Generic Cadd (ISP# 32537-330, 340 or 350).

GENERIC SOFTWARE, INC.

SYMBOLS LIBRARY-KITCHEN DESIGN

ISP# 32537-770

Provides over 500 symbols for the kitchen. Includes both plan and elevation views.

SYMBOLS LIBRARY-KITCHEN DESIGN includes symbols for appliances, sinks and faucets, wall and base cabinets, and towel and wine racks. Includes five styles of cabinet doors.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$74.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$74.95 |

Requirements: Generic Cadd (ISP# 32537-330, 340 or 350).

GENERIC SOFTWARE, INC.

SYMBOLS LIBRARY-LANDSCAPE ARCHITECTURE

ISP# 32537-800

Contains 150 symbols for common plants, trees, and landscaping components. Includes two disks.

SYMBOLS LIBRARY-LANDSCAPE ARCHITECTURE designed for professional landscape architects. Includes symbols for trees and shrubs in various styles, hedges and ground covers, paving materials and sidewalks and irrigation system components.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$74.95 |
| <i>Requirements: Generic Cadd (ISP# 32537-330, 340 or 350).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$74.95 |

Requirements: Generic Cadd (ISP# 32537-330, 340 or 350).

GENERIC SOFTWARE, INC.

SYMBOLS LIBRARY-RESIDENTIAL FRAMING DETAILS

ISPN 32537-820

Contains detailed views of footings and foundations, floor framing, and stairs. Includes two disks.

SYMBOLS LIBRARY-RESIDENTIAL FRAMING DETAILS includes views of door and window frames and roof framing and trusses.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$74.95 |
| <i>Requirements: Generic Cadd (ISPN 32537-330, 340 or 350).</i> | | | |

IMSI

TURBOCAD (VER. 1.5)

ISPN 37227-750

Enables you to move, scale, copy, mirror and rotate your drawings. Create 2-D lines, arcs, rectangles, polygons, ellipses and fillets.

With TURBOCAD, symbols are easy to create and edit. You can save them in a library and import them whenever required. You can also attach attributes such as price and description to each of your symbols and extract a Bill of Materials. Print and plot spooling allows for unattended output of drawings. The integrated scientific calculator pops on to the screen at a touch of a key. Ten on-screen registers allow you to save your results for direct input whenever requested. Includes a powerful macro language which allows you to recall complex keystroke sequences with a single keystroke. Macros can be executed automatically, nested and recursive. They may also access the calculator and register functions. DXF, HPGL and ASCII file format creation ensure compatibility with other micro and mainframe CAD-CAM and desktop publishing systems. TURBOCAD will generate the program code for any drawing in BASICA or Turbo Pascal (ISPN 08225-100), allowing you to recreate your drawings in your own programs. TURBOCAD features 100 line types, 256 thicknesses, 16 colors, 128 layers, and 18 snaps to choose from. Three cursors and a variable grid are also available. Provides sketch, automatic and associative dimensioning, and hatching. Features unlimited zoom and pan. You may define variable paper sizes and scales in your drawing, and windowing allows for easy selection and grouping of elements. Context-sensitive help screens are available for every TURBOCAD command. This program comes with an 80-page tutorial containing eight lessons, as well as an on-line tutorial. Includes a comprehensive reference manual with a graphic screen for each command.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.95 |
| <i>Requirements: Two disk drives or hard disk.</i> | | | |

419 PERSONAL/COOKING AND DIET

PINPOINT PUBLISHING

MICRO COOKBOOK (9TH EDITION)

ISPN 61253-500

An all-purpose kitchen and nutrition package.

MICRO COOKBOOK (9TH EDITION) can serve as your cooking, shopping and diet-planning assistant. Prepare a variety of meals and dishes using its 150 recipes. Add your own personal favorites to its database. Modify the published instructions to suit your tastes and needs. Print out any recipe or prepare complete shopping lists. Use the program to adjust ingredient proportions to match any number of servings. MICRO COOKBOOK (9TH EDITION) also gives you an on-line reference containing nutrition facts, food selections, storage information and ingredient substitutions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |

424 PERSONAL/ELECTRONIC PUBLICATIONS

MICROSOFT CORP.

MICROSOFT BOOKSHELF

ISPN 53150-501

A collection of ten of the most useful reference sources and writing tools to help make your writing more interesting.

MICROSOFT BOOKSHELF gives you instant access to The American Heritage Dictionary, a widely acclaimed dictionary that offers over 200,000 definitions, including new words and contemporary meanings. Roget's II: Electronic Thesaurus, the electronic version of the classic thesaurus with 500,000 synonyms to add variety to your writing; The World Almanac and Book of Facts, a treasury of more than a million facts about politics, sports, history and other world topics; Bartlett's Familiar Quotations, a classic source of more than 22,500 quotations from Mozart to Mick Jagger; The Chicago Manual of Style, 13th Edition, the standard 'how to' book for anyone who writes, providing guidance about everything from style and format to rights and permissions; Houghton Mifflin Spelling Verifier and Corrector, a phonetically based spelling checker that helps you correct your spelling and capitalization, offering alternatives for misspelled words; Forms and Letters, a collection of more than 100 letter, outline, checklists and forms that can be used as templates and customized as needed; U.S. Zip Code Directory, quickly provides the five-digit ZIP code for any address in the United States; Houghton Mifflin Usage Alert, a word-usage checker that helps you identify common errors in word usage, such as compliment versus complement; and Business Information Sources, a guide that lists thousands of reference business journals, research reports, databases and names of agencies and government offices for information and statistics on finance, economics and marketing.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

CD ROM

MEMORY

640K

PRICE

\$295.00

*Requirements: CD-ROM drive and Microsoft CD-ROM extensions.***MICROSOFT CORP.****MICROSOFT SMALL BUSINESS CONSULTANT****ISPN 53150-503**

Contains 220 essential business resources published by the Small Business Association Department of Commerce.

MICROSOFT SMALL BUSINESS CONSULTANT includes information on: Accounting and record keeping practice, business finance and loan regulations, conducting business with the federal government, general and personnel management skills and techniques, importing and exporting practices and regulation, locating economic statistics and other business information, loss prevention and risk management, marketing, selling and planning and starting a business.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

MEDIUM

CD ROM

MEMORY

512K

PRICE

\$149.00

*Requirements: CD-ROM drive and Microsoft CD-ROM extensions.***428 PERSONAL/FINANCIAL/LEGAL****THUNDER MOUNTAIN, DIV. OF MINDSCAPE****ASSETS, LIABILITIES AND NET WORTH****ISPN 81712-820**

Keeps track of personal possessions, including marketable securities, commodities, and real estate.

ASSETS, LIABILITIES AND NET WORTH produces a Net Worth statement and Personal Inventory report which can be used for insurance and tax purposes. Allows for an unlimited number of assets and liabilities. Features a menu-driven format and is mouse compatible.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$14.95

MONOGRAM SOFTWARE, INC.**DOLLARS AND SENSE (VER. 2.0) (APPLE)****ISPN 55240-207**

An accounting program for households and small businesses.

DOLLARS AND SENSE performs double-entry accounting automatically. Includes three sets of predefined starting accounts (household, business and tax preparation) and handles up to 120 accounts with up to twelve checking accounts. Provides instant, on-line help, displays a current running balance at all times, executes automatic transactions at a keystroke, and 'remembers' account descriptions and details for quick

call-up and distribution. Provides 'what if?' bill paying, budgeting and planning capabilities and prints checks with addresses. Exports data to AppleWorks as DIF file. Supports Apple UniDisk 3.5, Apple Memory Expansion Card.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$119.95 |

MONOGRAM SOFTWARE, INC.

DOLLARS AND SENSE (VER. 3.1.1) (IBM)

ISPN 55240-200

Provides a financial management accounting and budgeting system for small business and personal use.

DOLLARS AND SENSE is an accounting package for 'non-accountants'. Prints and writes checks and performs double entry bookkeeping automatically. The user may also set up budgets in any manner. It includes Forecast (for year-round tax estimation and planning), and Portfolio (for tracking the activity of stocks and bonds). Reports can be customized for display on screen or paper, and Dollars and Sense exports data to Lotus and other spreadsheets. Recurring monthly bills, and automatic transactions are handled with a key stroke, and a current running balance is displayed at all times. It 'remembers' account descriptions and details for quick call up and distribution, and has unlimited account capability (account disk consolidation to maintain multiple listings for various personal and business categories). In addition, it provides 'what if' bill paying, budgeting, and planning capabilities also with a running balance. Includes Monogram's DeskSet with Telecommunications, Financial Calculator, Word Processor and DOS access.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 256K | \$179.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 256K | \$179.95 |

MONOGRAM SOFTWARE, INC.

DOLLARS AND SENSE (VER. 4.1C) (MAC)

ISPN 55240-205

Provides financial management for personal and small business use.

DOLLARS AND SENSE contains an accounting package for 'non-accountants'. Prints and writes checks and performs double-entry bookkeeping automatically. Provides a non-modal format and tiered accounts. The user may also set up budgets in any manner. Reports can be customized for display on screen or paper, and data can be exported to spreadsheets. Recurring monthly bills and automatic transactions are handled, and a current running balance is displayed at all times. It 'remembers' account descriptions and details for quick call up and distribution, and has the capability to handle up to 9,999 different accounts and up to 9,999 checking accounts. Account disk consolidation maintains multiple listings for various personal and businesses categories. In addition, it provides 'what if' bill paying, budgeting, and planning capabilities. Accommodates two years of user data for comparisons and budgeting. Supports Appletalk, AppleServe and will work with MultiFinder.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$149.95 |

Requirements: 800K disk drive.

MECA VENTURES, INC.

MANAGING YOUR MONEY

ISPN 50231-100

An integrated money management package designed by Andrew Tobias.

MANAGING YOUR MONEY allows users to perform such tasks as evaluating life insurance needs, tracking net worth, planning taxes, storing memos on an electronic reminder pad and balancing checkbooks and budgets. The program runs in 80-column mode.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Two disk drives.</i> | 5 1/4-inch disk | 128K | \$149.95 |
| APPLE IIC, IIE, IIGS <i>Requirements: Two disk drives.</i> | 3 1/2-inch disk | 128K | \$149.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 192K | \$219.98 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 192K | \$219.98 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: Two disk drives.</i> | 3 1/2-inch disk | 512K | \$219.98 |

BRODERBUND SOFTWARE, INC.

ON BALANCE

ISPN 08850-100

Take control of the family finances! This really is the easiest way to manage the money side of life.

A home accounting and budgeting program that allows you to record and reconcile bank and credit card transactions, create and track budgets, print out reports and even print out checks. Requires virtually no set up time. Records can be entered minutes, and accounts created as needed. Regularly recurring records can be set up at once. Automatically updates the register, and issues warnings when payments are due. Pull-down menus, support for mouse input, and high speed routines help make it extremely fast and easy to use.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$59.95 |

SOFTSYNC, INC.

PERSONAL ACCOUNTANT (VER. 3.0)

ISPN 72240-460

Manages all basic home accounting tasks using double-entry bookkeeping. Generates reports, financial statements and graphs.

PERSONAL ACCOUNTANT classifies all accounts into one of five types: Income, Expense, Loans, Deposits or Equity. The user enters the date, amount and the two account names. The program figures out debits, credits and balances. Keeps account histories and generates a trial balance, a detailed expense report, an asset and liability report and an income over expense report. Using pull-down menus, the mouse and dialogue boxes, the user can enter information, edit, delete files and generate reports quickly. Utilizes Macintosh graphics to print professional reports and charts. The user can create an address book tool. Prints all checks and performs bank reconciliations.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
Requirements: 800K disk drive.

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

BLOC PUBLISHING CORP.**PERSONAL LAWYER**

ISPN 07925-160

Prepares several enforceable legal documents including wills, residential leases, powers of attorney and promissory notes.

PERSONAL LAWYER also prepares statements of guardianship. The system will actually construct appropriate legal language around the specific facts you supply, so it's legally sound. The Last Will and Testament portion of the program permits you to designate beneficiaries of general or special gifts and further allows you to choose a secondary taker in the event that the first beneficiary is unable to receive the gift. It enables you to specify the executor of your estate, choose a guardian or guardians to care for minor children and make many other decisions for competent estate planning. The final text is unique to your situation, although the program automatically includes the necessary legal requirements to insure the validity of the will. The Residential Lease portion of the program allows you to write a legally binding lease for such residential property as a house, duplex, apartment or rental condominium. Using this program carefully will allow you to provide numerous paragraphs to properly structure an enforceable legal document that describes all of the rights and obligations of both the landlord and the tenant. The promissory notes created by PERSONAL LAWYER will be enforceable legally, and can be specifically designed by the user for maximum flexibility. Creates notes that are paid back with or without interest, with or without installments, with or without balloon payments, or even simple notes payable on demand. You can also write a note that is secured or unsecured and specify the type of security given. The Statement of Guardianship portion of the program can be used to give someone general control or to give them only very limited and specific rights. The Power of Attorney portion of the program helps you write three documents: A General Power of Attorney, a Special Power of Attorney and a revocation of a Power of Attorney. They can give the power to take care of your assets, either generally or for specific matters. PERSONAL LAWYER was developed under the supervision of Douglas B. Jacobs, a California attorney, and meets the legal requirements of 49 states and the District of Columbia. Louisiana is excluded because much of its law is based on French rather than English law.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+
Requirements: 80-character display, printer.

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$59.95

IBM/MICROSOFT PC/MS-DOS 2.0+
Requirements: 80-character display, printer.

3 1/2-inch disk

128K

\$59.95

INTUIT**QUICKEN**

ISPN 40562-700

A checking and financial package including the Quicken-AppleWorks link letting users transfer data to spreadsheets in Appleworks.

QUICKEN is checkbook based, single-entry bookkeeping software. This program actually learns your regular monthly bills, then does 14 automatic bookkeeping steps

and hands you the printed checks already addressed for mailing. The Macintosh version works integrally with MacInTax. Click on any total and MacInTax displays the supporting list of every transaction from QUICKEN comprising the total. QUICKEN will also allow you to create spreadsheets and custom reports by exporting your data in SYLK format for use with applications such as Microsoft Excel (ISPN 53150-270) or HyperCard (ISPN 03900-300). The Apple version can transfer its data directly to AppleWorks (ISPN 12784-100) without typing. Generates detailed reports such as income and expenses by category, rental property, P & Ls and budget vs. actual comparisons. In addition, with the optional Quicken Transfer Utility, you can transfer your data directly to Lotus format to create elaborate spreadsheets and other custom reports, all without typing. The IBM version exports data and reports to ASCII. Checks are pre-approved for all financial institutions in the United States and Canada. Sample checks and order forms are enclosed.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS <i>Requirements: IIE requires 80-column card. Printer.</i> | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: Printer.</i> | 3 1/2-inch disk | 512K | \$49.95 |

SIERRA ON-LINE, INC.

SMART MONEY

ISPN 69925-257

Comprehensive financial package that keeps track of assets and liabilities such as checking and charge card transactions.

Balances checking and credit card transactions gains monthly bank statements. Records all the money the user spends, including cash, check and credit card transactions. Calculates declining balances on loans, and projects the future balance of an annuity or savings account. Constructs budgets that allow manual entry for each month, amount, or percentage increases that lets the user increase or decrease budgets gradually over time. Measures projected disbursements against actuals to see how well the user is living up to the budgets he/she created. Sets up transactions that need to be performed on a regular basis, such as depositing checks and mortgage payments, to remind the user when it is time to execute them. Prints checks customized with name, address, even the company logo. Tracks assets, liabilities, income and expenses, for over 200 accounts that calculate net worth. Prints detailed reports, including a profit and loss statement, a cash flow analysis, a balance sheet, a transaction journal, a chart of accounts, a budgets report, and an actual vs. budgets report. Prints graphs that compare actual and budgeted accounts with data from the previous year. Prints amortized schedules of loans, annuity accounts and savings accounts.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 48K | \$79.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$79.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$79.95 |

NOLO PRESS

WILLMAKER (VER. 3.0)

ISPN 44075-900

Uses a rule-based system to create wills valid in all states except Louisiana. Complete book on wills and estate planning included.

Features include the ability of the user to make and update an existing will at a reasonable cost. Includes everything that needs to be in a will. Uses safe and effective will provisions to allow the user accomplishments such as the ability to provide for your spouse, children and grandchildren, provide for domestic partners and other friends, leave specific property items and cash bequests to charities or to people, forgive one or more debts, name a guardian and alternate guardian for one or more of your children, create a trust for property left to one or more of your children, name an executor and alternate executor for your estate and easily update your will as many times as required. A 200-page paperback is included. In addition, the IBM version includes compiled BASIC (so the user will no longer need to load BASIC to run the program), while the Macintosh version includes a Laserwriter driver.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: 800K disk drive.</i> | 5 1/4-inch disk | 48K | \$59.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$59.95 |

448 PERSONAL/HOBBIES

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

CAR BUILDER

ISPN 58655-020

Ages 8 and up: Allows user to design and construct a car on the screen.

With CAR BUILDER users can design, construct, refine, and test cars that they build. Get firsthand experience as you design the chassis, engine, suspension system - all the mechanics of car building. Use wind tunnel and test track to test the aerodynamics and the racing and fuel capabilities of your car. No limit to the number of cars you can design and store. School lab pack includes five disks and one instruction manual. A free exchange coupon for 3.5-inch disk is included.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2-inch disk | 48K | \$49.95 |

450 PERSONAL/HOUSEHOLD MANAGEMENT

SPRINGBOARD SOFTWARE

FAMILY MATTERS

ISPN 75309-200

A household organization program that helps you organize and retrieve important information about yourself, home and more.

FAMILY MATTERS lets you retrieve information quickly. Maybe you lost your credit cards, or need your child's immunization records for summer camp. There's no need to waste an afternoon hunting down credit card numbers or phoning a busy doctor. You have instant access to all kinds of information crucial to you and your family. FAMILY MATTERS lets you move quickly from the five main information categories to hundreds of subcategories and predesigned records. Employment records, warranties, loans, household inventories and stock purchases are just a sampling of the subcategories available to you. Simply type in the information you want to track. The program organizes it for you automatically.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 512K | \$49.95 |
| <i>Requirements: CGA.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |
| <i>Requirements: HyperCard (ISPN 03900-300).</i> | | | |

453 PERSONAL/MISCELLANEOUS PERSONAL

BRODERBUND SOFTWARE, INC.

FAMILY SOFTWARE LIBRARY

ISPN 08850-206

Contains three programs: A word processor, a typing tutor program and a program that teaches geography and library skills.

FAMILY SOFTWARE LIBRARY is a 'starter set' of award winning computer software designed for family computing. The Parent's Guide suggests ways in which all family members - adults and children - may use the products together to enhance learning and computer skills, and have fun doing it. Includes a parent/child activity guide to encourage families to use the computer together. Teaches the keyboarding skills necessary for touch typing and computer literacy. Also teaches geography and research skills in an entertaining game format.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.95 |

POLARIS SOFTWARE

POLARIS PACKRAT

ISPN 61462-622

Provides facilities which help you organize, store and locate your personal information data.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$395.00 |
| <i>Requirements: Hard disk, VGA, EGA or Hercules card.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 512K | \$395.00 |
| <i>Requirements: Hard disk, VGA, EGA or Hercules card.</i> | | | |

CASADY & GREENE, INC.

QUICKDEX (VER. 1.4A)

ISPN 11556-700

A free-form database desk accessory with auto-dialer that allows users to find data instantly from within any program.

Enables the user to find names, addresses, phone numbers and to cut, copy or paste. The user has the ability to open and display up to eight card decks at the same time in memory. This makes it easier to keep files in order and draw related material all together in one file. Can be used as a computerized Rolodex, reminder pad, tickler file or employee card files. Stores as much data as the memory will allow. Conserves RAM. The total time to find, copy and paste a name and address into a letter is 11 seconds. The total RAM needed for 300 names is 70K with 100 bytes required for each additional card. The program includes an intelligent autodialer. The QuickZip Card Deck is included with the program and gives the user zip and area code information for 1000 cities accessible by either city name, area code or zip code. PrintDEX is an included utility program that enables the user to print card decks on a variety of standard card stock forms including large and small Rolodex cards and Rediform address labels or the user can select a custom form size and print on a Image Writer or LaserWriter. Works all machines which are 512K or greater without tying up large quantities of RAM. Allows the user to print only those cards which have been added or edited.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$60.00 |

456 PERSONAL/MUSIC

GREAT WAVE SOFTWARE

CONCERTWARE+ (VER. 4) (REGULAR)

ISPN 33476-151

Create, edit, print and play music files as well as create new instrument sounds. Some music and instruments included.

The Music Player produces the highest quality sound available from the Macintosh. It plays the music you have created with the Music Writer with the instruments you have

designed using the Instrument Maker application. Outstanding features include: Jukebox selects several pieces and plays them Jukebox fashion, without interruption. Change Instruments allows you to change instruments at any time. Scrolling Display shows the progress of the piece in real time. It displays the relative pitches and note-durations of the notes as they are played. The Instrument Maker application allows you to design types of sounds, or 'instruments', to play your music on the Macintosh. You have complete control over the waveform, harmonics, vibrato and envelope of the instrument. This ability to finely control these parameters makes the system very flexible and capable of producing an amazing range of sounds. The manual clearly defines 'waveform', 'envelope' and other key terms so even the novice instrument designer can become a professional. Harmonics Control lets you select the relative levels of the first 20 harmonics or overtones. Envelope Control lets you describe how the volume of the instrument changes as a note is played. These controls allow you to quickly and easily shape the envelope with fine detail. Vibrato Control lets you specify the frequency, amplitude and waveform of the vibrato for the instrument. With Immediate Playback you play your instrument with easy-to-use piano keyboard display. Instrument Icons allows you to draw instrument icons to display in the Music Player. Comes complete with over 40 predefined instruments such as Pizzicato Violin, Harpsichord, Oboe, Guitar, Alto Saxophone and, of course, Piano. Music Writer allows you to enter full-length pieces quickly and easily with the Mouse or Macintosh Keyboard. You can change key, tempo, volume and instruments anywhere within a piece. Instantly transpose and prints high-quality sheet music. Adds repeats and special endings. With Immediate Playback you can listen to your music as you compose with the Music Writer. Standard Music Notation includes accidentals, rests, slurs, ties, dynamic markings, section marks, repeats, first and second endings, key signatures, time signatures, beaming note alignment and tempo changes. Tripletted half, quarter, eighth, 16th and 32nd notes are available in addition to a full complement of note durations from 16th to dotted whole notes. Eight voices can be entered on up to eight staves with up to eight notes per voice. Four at a time can be played back on the Macintosh. Multiple Instruments creates playback by changing instruments any where within a piece. Full Length Pieces allow scores with up to 10,000 notes to be edited on a 128K, up to 50,000 notes on a 512K. Timed entry-compose as you play the Mac keyboard. The Music Writer automatically calculates note durations for you. Print high quality sheet music on the Apple ImageWriter, LaserWriter or create MacPaint files. Use MacPaint to add text or add special notation to printed scores. Includes vertical rulers which provide you with extensive staff and voice control and full support of the Adobe Sonata Font. Version 4 supports color on the Mac II.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$69.95

GREAT WAVE SOFTWARE**CONCERTWARE+MIDI (VER. 4.0)****ISPN 33476-160**

Using a MIDI adapter, compose, edit, and play music through a compatible synthesizer.

CONCERTWARE+MIDI records voices as they are entered on an electronic keyboard. Includes all features described for ConcertWare+ and full support for most MIDI functions. These include MIDI program (patch) changes, extensive control staff arrangement, MIDI mapping, MIDI parameters, and MIDI macros. It can play back any ConcertWare+ file through a synthesizer. Music may be entered in any of eight voices, each of which may contain up to eight notes. The notes may also be arranged on up to eight staves and displayed and edited in standard musical notation. Music entry uses mouse, Mac Keyboard or MIDI keyboard in step time or real time. Polyphonic chords

may be entered in real time using Mac for playback. Allows up to eight tracks simultaneously with up to eight notes per track. MIDI playback allows up to 64 notes to be played simultaneously with unlimited program changes. MIDI velocity is played and may be recorded and edited. Synchronization consists of MIDI Start, Stop, and Clock Output. Metronome is audible and adjustable. Works with all standard 500Khz, 1Mhz and 2Mhz adapters. Stores up to 50,000 notes and does not include MIDI interface.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$149.95 |
| <i>Requirements: One or more MIDI-equipped instruments, any Macintosh MIDI interface.</i> | | | |

ELECTRONIC ARTS

DELUXE MUSIC CONSTRUCTION SET (VER. 2.5)

ISPN 28512-080

Teaches music without having to learn a musical instrument. Takes full advantage of the Macintosh.

Enables you to write a symphony, if desired. Provides an increased number of staves from eight to 32, allowing up to 64 musical ideas at once. Includes staccato and legato to enhance playback performance with high-end MIDI equipment. When choosing a text item, the program locates it by stave, measure and distance from the left edge of the measure. In addition, when adjusting the length of a measure the text is automatically adapted to stay within its boundaries.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$99.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$129.95 |

MEDIAGENIC/SOLID GOLD SOFTWARE

GHOSTBUSTERS

ISPN 48693-100

Includes over ten different screens and a full, sing-along sound track featuring the chart-topping Ghostbusters theme.

Players start a franchise with account numbers and financial records which are saved for future games. They use their franchise dollars to purchase an assortment of ghost-catching equipment. A detailed New York street map allows players to search and trap mischievous ghosts, or else they get 'slimed'. Players then fight to a dramatic showdown with the marshmallow man and Gozer at the enormous, sky-breaking Temple of Zuul.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$14.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.95 |

ELECTRONIC ARTS

INSTANT SYNTHESIZER

ISPN 28512-031

Brings together the features of a four-voice polysynthesizer, a sound digitizer and a sound editor.

INSTANT SYNTHESIZER features a visual interface for all levels of musicians to create music and experiment with new instruments. Expands the number of instruments in existing music programs such as Instant Music (ISPN 28512-039). Owners of low-end MIDI keyboards and musicians working with sound sampling boards can boost their keyboards to the level of more high-end equipment creating many more instruments, capturing live sounds, or using it as a drum machine or extra synthesizer. Works without the need for any additional hardware. Allows users to adjust the vibrato depth, speed and attack rate or graphically edit the attack, sustain and release envelope of any instrument. You can even add delay and sound doubling for 'fatter' and more 'humanized' sounds. Supports popular sound sampling cards such as Future Sound and MDIdeas. You can capture live sounds and graphically edit the wave form. Further, INSTANT SYNTHESIZER lets you adjust the attenuation, cut parts of the wave, loop segments and find loop points automatically. Musicians can use the computer's keyboard to play sounds or add a MIDI connector to work with any MIDI device. Sounds can be created in INSTANT SYNTHESIZER and played on an external keyboard. You can map multi-sample instruments into the keyboard, or use MIDI out to drive your instruments from INSTANT SYNTHESIZER. Supports SMUS and ASIF files.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

768K

PRICE

\$79.95

BRODERBUND SOFTWARE, INC.**JAM SESSION**

ISPN 08850-112

Enables anyone to play professional-sounding music without having a musical background.

While JAM SESSION's animated band plays back-up, you play solo by hitting any combination of keys on the computer keyboard. Your solo riffs always stay in harmony with the band, no matter which key you hit. It's impossible to make a mistake. So you make great-sounding music without any training. All sounds are digitally recorded from actual instruments, so they sound like the real thing. Now you can jam with a heavy metal band or join classical, jazz or country sessions. You can also save your sessions for future listening or pass them on to friends (they won't need JAM SESSION to play them). You can also have fun experimenting with the JAM SESSION Synthesizer.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

CODA MUSIC SOFTWARE, DIV. OF WENGER CORP.**MACDRUMS**

ISPN 55862-517

A self-contained, full programmable, four-voice polyphonic drum synthesizer and sequencer.

SYSTEM

APPLE MAC, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$59.95

ELECTRONIC ARTS**MUSIC CONSTRUCTION SET**

ISPN 28512-079

Create your own tunes or a complete score. Allows you to hear and see the results of your composition.

MUSIC CONSTRUCTION SET will teach you music and you won't even have to learn to play an instrument. First of all, you are given 12 pieces of music already on disk. The tunes will range from rock and roll to baroque. When you're ready, write your own tune or a complete score. MUSIC CONSTRUCTION SET lets you instantly see and hear the results, right as you're composing. You can make any change you want to your piece. Drop in a note; hear its sound and see its name (all at the same time). Depending on your computer, you can use 3- or 4-note chords. If you have more than 128K memory, you can create longer compositions. MUSIC CONSTRUCTION SET prints scores on most dot matrix printers and includes a comprehensive manual. A special version is available for Apple IIGS.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

48K

PRICE

\$14.95

Requirements: Joystick or KoalaPad for II, II+, IIE, and IIC, AppleMouse for IIE and IIC, Mockingboard, Echo Plus, and The Cricket.

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

128K

\$14.95

Requirements: CGA.

MEDIAGENIC/ACTIVISION PRESENTATION TOOLS**MUSIC STUDIO (VER. 2.0)**

ISPN 00837-348

A music, lyrical composition and audio synthesis program that orchestrates, mixes, creates and invents sounds.

MUSIC STUDIO includes three different screens: 1) the Music Editor, where the user may create, edit, and store music and lyrics, 2) the Sound Engineering Room, where the user may create custom instruments and sound effects and adjust preprogrammed sounds, and 3) the Music Paintbox, a shortcut to composition that allows the user to doodle, experiment, and explore by 'painting' notes up and down the staff. Includes more than fifteen preprogrammed instrument sounds, three voices, five octaves, three filters, four waveforms, and pulse widths up to a maximum of 4095. The user can add up to four verses of lyrics to any composition, transpose the whole piece up or down, and print it all out (lyrics included). Enables the user to change key signature, tempo or volume at any point in a song. Plays one or more songs one after another with the 'Jukebox' feature. The user can also change note stem direction, merge songs, insert measure bars, change note duration of all notes of a specific duration, and automatically place consecutive numbers over measure bars. Enables novices to make music instantly, even if they do not know musical notation. Features the Wave Form Editor, enabling users to edit existing instruments and create new ones. Allows users to choose from pre-programmed instruments, sound effects, and voices. The user can also transpose to any key automatically, add ties and slurs, and add repeats, dotted notes and triplets. The Apple IIGS version contains over twenty digitized sounds and the standard Apple interface. The IIGS version also supports Macintosh compatible MIDI

interfaces, and features real-time MIDI so the user can enter chords using MIDI-equipped instruments as well as a mouse. The Amiga version provides direct MIDI input to assist in rapid placement of notes and chords. MIDI-compatible instrument, interface card, printer, and mouse are optional.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE IIGS <i>Requirements: Kickstart.</i> | 3 1/2-inch disk | 512K | \$99.95 |
| COMMODORE AMIGA 500, 1000, 2000 <i>Requirements: Kickstart.</i> | 3 1/2-inch disk | 512K | \$79.95 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 640K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 640K | \$99.95 |

MICROILLUSIONS

MUSIC-X

ISPN 50425-550

Contains a sequencer, patch editor and music librarian with real-time and step-time playback and record.

The master clock is accurate to one millisecond with a resolution of 192 clocks per quarter note. Sequences and library data can be any length, limited only by available memory. A 100K or larger sample can be dumped into a library entry. Keyboard mapping features allow almost any function of the sequencer to be controlled from a MIDI keyboard, foot pedal, or other MIDI device. This includes starting/stopping the sequencer, initiating sequences, and changing the key map itself. Supports real-time recording of systems exclusive data, as well as full graphic-oriented and event-oriented editing of sequences. User can record while in edit mode and watch as notes appear on the edit display as they are played. A configurable librarian is included and can be taught how to communicate with any MIDI instrument which outputs system exclusive data. Not copy protected.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 <i>Requirements: MIDI interface, keyboard.</i> | 3 1/2-inch disk | 512K | \$299.95 |

CODA MUSIC SOFTWARE, DIV. OF WENGER CORP.

PERCEIVE

ISPN 55862-611

A personal musical ear-training course that combines listening, reading and writing and includes a textbook and workbook.

PERCEIVE will not run on the Macintosh II or the Macintosh SE30.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------------|-----------------|---------------|--------------|
| APPLE MAC, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.00 |

BOGAS PUBLICATIONS

STUDIO SESSION (VER. 1.2)

ISPN 08160-100

Provides true music output by using a library of digitized instruments to output six voices through the Macintosh.

Can be used for composing music, developing commercial demos, adding musical accompaniment to presentations or just about anything that requires real sound. Has real sampled sounds so that a drum sounds like a drum not a beep, and over 90 different sounds from acoustic guitar to rooster. You see on the screen a tape player with six VU meters and full tape deck functions. Plays right out of your Macintosh - no synthesizers needed! Included is the Expert Editor that allows a user to quickly create music, instead of just typing in notes from sheet music. The program can be used with the Macnifty Audio Digitizer to capture any sound and make it a digital instrument for use in STUDIO SESSION.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$89.95 |
| <i>Requirements: Note: MIDI compatible upgrade available.</i> | | | |

BOGAS PUBLICATIONS

SUPER STUDIO SESSION (VER. 2.0)

ISPN 08160-110

Gives true music output with a custom sound driver and eight channels of digital sound.

SUPER STUDIO SESSION features eight voices of digital sound. There are eight track selector buttons on the main window - click on them to turn a track on or off. Provides a volume control with 72 positions. Jukebox mode enables you to play through all of your songs in any sequence desired. You may add a song to the playlist at any time. Allows you to write out your song to the disk as a sampled sound file. You can use the sound file with products like HyperCard (ISPN 03900-300), VideoWorks (ISPN 75300-171) and MacRecorder (ISPN 91809-500) to put your music with the graphics. This is a way to export sound to other sound compatible programs.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$129.95 |
| <i>Requirements: Note: MIDI compatible upgrade available.</i> | | | |

468 PERSONAL/SPORTS

ELECTRONIC ARTS

POWERPLAY HOCKEY: USA VS. USSR

ISPN 28512-610

Features three levels of hockey play and either one-on-one or team play five-on-five competition.

POWERPLAY HOCKEY: USA VS. USSR features full-speed slap shots to artful drop passes to no holds barred body checks. Sometimes a fight might break out and a few penalties handed out. You may play against the computer or a friend, and compete in the Junior level or the more challenging Olympic level. During a face-off in this league, you know there's somebody on the other side who wants to go right through you - the challenge is to stop them, and then return the favor. The state screen at the end of the period shows attempted shots and made shots for each player, variable period lengths of two, eight or 20 minutes, and the chance to start a new game when the period is over.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$29.95

472 PERSONAL/TRAVEL**MEDIAGENIC/TENPOINTO****CITY TO CITY****ISPN 48702-125**

A Hypercard stack that is a customizable business and personal travel planner for the United States.

CITY TO CITY provides information in twelve categories covering 30 cities. Business Services covers express delivery, U.S. Post offices, conference centers, and professional support. Dining lists establishments by cuisine in three price ranges. Entertainment covers ticket agencies, stage, comedy clubs, and musical performances. Late Night details eateries, sundries, business, and services for 24 hour fun and service. Lodgings covers first class, business class, coach, plus a map to locate choices made. Market Data provides demographics for each city. Media covers radio by format, sports radio, print and television. Diversions covers tours and attractions, tourist sights, museums, and walks. Shopping shows shopping malls, department stores, shopping areas and specialty stores. Sports/Fitness lists places to play and exercise. Transportation gives information on taxi service, airport transportation, roadside assistance, public transportation, car rental, limo service and 800 area code phone numbers.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$49.95

Requirements: HyperCard (ISPN 03900-300).

COMWELL SYSTEMS, INC.**PC USA****ISPN 18818-610**

Combines maps, graphics and data to give users an instant profile of all 50 states and Puerto Rico.

PC USA contains maps of the country, its regions, the 50 states and Puerto Rico. These maps display elevations, natural features and the location of each state's largest cities. Users can see the point-to-point distance and bearing between any two major cities. The program also contains a special utility for instantly locating area codes and zip codes throughout the country. With the help of colorful charts and tables, PC USA presents a vast spectrum of data on every state, from employment, education, crime and industrial statistics to electoral data, health statistics, average annual pay and gross state product. Provides a profile of each state's history, shows the state's time zone, offers a list of major tourist attractions and shows climate patterns of the state's major cities. You can export text and graphics files to popular software programs such as PC Paintbrush (ISPN 97803-610), WordPerfect (ISPN 68012-600), PageMaker (ISPN 02226-701), Ventura Publisher (ISPN 87075-101) and Lotus 1-2-3 (ISPN 45525-050) to tailor maps and databases to suit your own needs.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: CGA, EGA or VGA.***MEDIUM**

5 1/4-inch disk

MEMORY

512K

PRICE

\$69.95

BLUE LION SOFTWARE**TICKET TO WASHINGTON DC****ISPN 07973-550**

Take a trip to Washington, D.C. on your computer.

TICKET TO WASHINGTON DC takes you through the city and surrounding areas to explore more than 40 different places and landmarks. Picnic at the Mall. Take an excursion to Arlington National Cemetery. Visit historical memorials. Realistic graphics which put you right on the scene depict notable landmarks and famous exhibits from the capital of the United States. The program challenges you to discover the identity of a famous American from the past or present. You will receive clues about this person as you follow leads that take you all over Washington, D.C. and its environs. Seven detailed 3-D maps and on-screen information help you as you try to uncover the person's identity. Realistic details and real-time simulations add to the intrigue. TICKET TO WASHINGTON DC contains more than 14 different mysteries.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 1.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

128K

PRICE

\$44.95

*Requirements: CGA, EGA or Hercules Graphics Adapter.***510 ENTERTAINMENT/ADULT****SIERRA ON-LINE, INC.****LEISURE SUIT LARRY II-LOOKING FOR LOVE****ISPN 69925-305**

Join Larry as he wins the lottery, dream cruise on the 'Lover's Boat,' and a date on 'The Dating Connection.'

LEISURE SUIT LARRY II-LOOKING FOR LOVE provides split screens and windows on Larry's beach blanket world of fun, frivolity, espionage and intrigue. Can you, as Larry, find happiness as a multi-millionaire traveling through resorts and vacation hot spots? Or will foreign agents, Hairy Krishna and Dr. Notoonyt make the fortune vanish quicker than Larry's hairline? You will enjoy the outrageous parody and tongue-in-cheek humor.

SYSTEM

APPLE IIGS

IBM/MICROSOFT PC/MS-DOS 2.0+

IBM/MICROSOFT PC/MS-DOS 2.0+

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

ATARI 1040ST, 520ST

MEDIUM

3 1/2-inch disk

5 1/4-inch disk

3 1/2-inch disk

3 1/2-inch disk

3 1/2-inch disk

MEMORY

512K

512K

512K

512K

512K

PRICE

\$49.95

\$49.95

\$49.95

\$49.95

\$49.95

SIERRA ON-LINE, INC.

LEISURE SUIT LARRY IN THE LAND OF LOUNGE LIZARDS

ISPN 69925-304

Slip into a leisure suit and guide Larry through singles bars, discos and restaurants while he looks for love.

LEISURE SUIT LARRY IN THE LAND OF THE LOUNGE LIZARDS dishes up the swinging singles scene in all of its shining glory. Take a raucous, risqué romp as you direct Larry in his search for love. View the full facial expressions of game characters as you try out Larry's best pick-up lines. Show off street smarts as well as sophistication as you play the realistic casino games and trawl the barrooms of this 'Wild Kingdom.' An adult trivia quiz is provided at the beginning of the game (with answers that only adults should know) that locks the game from children. This game has an R-rating.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE IIC | 3 1/2-inch disk | 128K | \$39.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| APPLE IIE | 5 1/4-inch disk | 128K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| <i>Requirements: CGA, EGA, VGA or Hercules Graphics Adapter.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$39.95 |
| <i>Requirements: CGA, EGA, VGA or Hercules Graphics Adapter.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$39.95 |

ARTWORX SOFTWARE CO., INC.

STRIP POKER II

ISPN 05437-440

The more you win, the more challenging your digitized opponents become.

STRIP POKER II displays 'life-like' female opponents. Provides two unique female opponents that keep your poker game sharp. The stakes are your opponents garments - the more you win, the more they take off. Your opponents are displayed using a process that combines the features of modern scanning technology with the finishing touches of an artist.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$39.95 |
| ATARI 1040ST, 520ST | 3 1/2-inch disk | 512K | \$39.95 |

520 ENTERTAINMENT/ADVENTURE

PBI SOFTWARE**ALIEN MIND****ISPN 59937-122**

Join biologist Aaron Avery and his associates as they face danger in the new Zekford Space Station against unknown alien species.

You arrive at Zekford and immediately sense danger. A chill shoots up your spine as you notice the receptionist is lying lifeless next to her desk. You turn, only to realize that the hatch has closed behind you and a display reads 'No entry, no escape'. Whatever has taken over the space station is now after you. You must penetrate into the lower levels of the space station in which the very walls have turned against you, a fortress in which you no longer have clearance to enter. Robots and other alien life are now seeking your demise. You must gather the necessary components to build the ultimate weapon and destroy the alien. But your mission does not end there, a second egg must be neutralized before it hatches.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-----------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$54.95 |
| <i>Requirements: RGB monitor.</i> | | | |

MEDIAGENIC/SOLID GOLD SOFTWARE**ALIENS! THE COMPUTER GAME****ISPN 48693-051**

Follow the action of the movie 'Aliens' where you battle the Beast with a flame thrower through a maze.

There are six levels of play in ALIENS! THE COMPUTER GAME, to give you more challenge with the Aliens.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$14.95 |
| <i>Requirements: Joystick.</i> | | | |

BRODERBUND SOFTWARE, INC.**ANCIENT ART OF WAR AT SEA****ISPN 08850-016**

Enjoy real-time excitement and intellectual challenge as you command a navy.

ANCIENT ART OF WAR AT SEA places you cutlass to cutlass with the toughest sea dogs the ocean has ever known, including Blackbeard, John Paul Jones and the legendary admiral Lord Nelson. Zoom-in and take command of any individual ship. Lead your boarding parties as they struggle to mop the decks with the enemy's crews. Campaign 11 different classic naval encounters and create your own campaigns with the game generator. ANCIENT ART OF WAR AT SEA uses keyboard or joystick control.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|----------------------------|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$44.95 |

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2 and 5 1/4

256K

\$44.95

Requirements: CGA, EGA or Hercules Graphics Adapter.

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$44.95

ORIGIN SYSTEMS, INC.**AUTODUEL****ISPN 58793-075**

Drive the friendly freeways of the 21st century where the biggest guns always win the right of way.

AUTODUEL sets no limits on the kind of car you can build, or the kind of activities you can engage in once you've built it. You may engage in the sport of autoduell, or you can carry packages from one safe, neutral city to another through the outlaw-patrolled zones. You will take your cars into battle one way or another, and gradually improve your marksmanship, driver skills and mechanic ability until you can handle the toughest of roads. If you prove your skills, you may be contacted by the authorities or special interest groups. They'll ask you to carry out assignments of a sensitive nature. Springs from the popular war game 'Car Wars'. AUTODUEL includes a full-color road map, a Driver's Handbook and a toolkit.

SYSTEM**MEDIUM****MEMORY****PRICE**

COMMODORE 64/128

5 1/4-inch disk

64K

\$39.95

Requirements: Joystick

COMMODORE AMIGA 500, 1000, 2000

3 1/2-inch disk

512K

\$39.95

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

256K

\$39.95

ELECTRONIC ARTS**BARD'S TALE****ISPN 28512-018**

Create wizardly characters to quest in this fantasy role-playing adventure.

BARD'S TALE has it all - monsters that thwart you, specials that revive you, logic problems that keep you thinking. Fast combat and continuous scrolling let you cover more ground in less time. Emphasis on strategy makes BARD'S TALE more than a mere 'fantasy' adventure. Explore three dungeons and 16 maze levels, investigate a city that runs above and below ground, displays animated, full-color graphics and provides 3-D perspective and sound effects. Arms your character from a selection of over 85 different spells.

SYSTEM**MEDIUM****MEMORY****PRICE**

COMMODORE 64/128

5 1/4-inch disk

64K

\$39.95

COMMODORE AMIGA 500, 1000, 2000

3 1/2-inch disk

512K

\$49.95

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

256K

\$49.95

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2 and 5 1/4

256K

\$54.95

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$49.95

ELECTRONIC ARTS

BARD'S TALE II-DESTINY KNIGHT

ISPN 28512-019

The sequel to Bard's Tale includes seven different cities and a host of new magic spells, bad guys, and new character classes.

The game revolves around the player's attempts to halt an evil force threatening to destroy the entire Realm. Long ago, the Archmage Turin forged the powerful Destiny Wand which had maintained peace and prosperity for 700 years. But lawless mercenaries from the neighboring kingdom of Lestradae have invaded the Realm, and the Destiny Wand has been stolen, broken into seven separate pieces and hidden in seven different locations within the Realm. It is the player's quest to form a band of adventurers who will find each fragment and make the Destiny Wand whole. Once reconstructed, it promises to bring great power to its bearer. Offers several new and complex places to explore, including six complete cities and 25 dungeon levels. Players are also subject to a vast wilderness outside the city limits where a lonely Sage may be located for offering useful information to the party. In addition to Conjurers, Magicians, Sorcerers and Wizards, a new class of magic user, the Archmage, may also be acquired. Each class contains seven spell levels providing for as many as 79 different magic spells to choose from. In addition to Paladins, hunters, warriors and rogues, the Bard is once again a featured character in the band of adventurers. The Bard can select from seven separate tunes, each one creating a special magic that will aid the party in its quest. Once the band is assembled, it will face a range of obstacles and adversaries. Real time puzzles will force players to make quick action decisions, and anti-magic zones will neutralize any magic spells and will not allow any spells to be cast. The party will also meet with a number of fully animated monsters interested in joining in combat. Enemies can appear from as close as ten feet or as far away as ninety feet. This will require the party to become proficient with missile weapons and magic spells, as only those enemies within the first ten feet may be attacked with hand-held weaponry, such as swords and axes. Characters may carry as many as eight items each, ranging from armor and weapons to torches and magic items. Members of the party may also take advantage of teleportation spells which allow them to transfer from city to city. Provides players with the opportunity to take members of the party before the Review Board for recommending a promotion in status. Temples will provide a source for healing party members who have been injured in battle, and Roscoe's Emporium can provide more spell energy. Other locations within the city limits include the Tavern for obtaining drink and information, Casinos for turning gold into greater wealth, and the Bedder's Bank for the safekeeping of the gold. Accepts characters developed in the Bard's Tale, Ultima and Wizardry. Additionally, players who wish to start their characters from scratch can enter into a special starter dungeon, which will help to build the party's strengths and capabilities before venturing into the Realm. Players may also select a pre-built, fully equipped party of adventurers known as the A-Team.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$59.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$54.95 |

ELECTRONIC ARTS

BARD'S TALE III-THIEF OF FATE

ISPN 28512-011

Lead an heroic band of adventurers through encounters with monsters in a ruined city.

Seven quests beckon as the heroic band avenges the destruction and averts a titanic war that threatens the entire world. Features include animated monsters, sound effects, real-time dungeons, automapping and a hidden character class. Interchange characters with Bard's Tale I and II.

SYSTEM

APPLE IIC, IIE, IIGS
COMMODORE 64/128

MEDIUM

5 1/4-inch disk
5 1/4-inch disk

MEMORY

128K
64K

PRICE

\$49.95
\$39.95

INFOCOM, INC.

BEYOND ZORK

ISPN 37413-115

Go beyond Zork in a variety of ways with this text adventure.

BEYOND ZORK mixes role-playing with interactive fiction. You will find yourself drawn into a web of fantasy and magic as you solve puzzles, seek treasures, avoid traps and fight monsters. You will grow in strength and power until you have within your sight, the fabled Coconut of Quendor. This package includes the illustrated 'Lore and Legends of Quendor' and a map.

SYSTEM

APPLE IIC, IIE, IIGS
COMMODORE AMIGA 500, 1000, 2000
IBM/MICROSOFT PC/MS-DOS 2.0+
IBM/MICROSOFT PC/MS-DOS 2.0+
APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk
3 1/2-inch disk

MEMORY

128K
256K
128K
128K
512K

PRICE

\$49.95
\$49.95
\$49.95
\$49.95
\$49.95

SIERRA ON-LINE, INC.

BLACK CAULDRON

ISPN 69925-017

Join the boy Taran in his search-based on Lloyd Alexander's Newberry award-winning Chronicles of Prydain.

BLACK CAULDRON recreates the world seen in the Prydain series and the Walt Disney movie. Find the black cauldron before the wicked Horned King does. However, you must protect Hen Wen, the pig that can see into the future. If the Horned King manages to take Hen Wen away, he will be able to find the Black Cauldron and conquer the world. The program requires no text input for game play and includes eight musical tunes.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$39.95

Requirements: Color monitor.

APPLE IIC, IIE, IIGS

5 1/4-inch disk

128K

\$39.95

Requirements: Color monitor.

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

256K

\$39.95

Requirements: CGA.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: CGA.***MEDIUM**

3 1/2-inch disk

MEMORY

256K

PRICE

\$39.95

MINDSCAPE, INC.**CAPTAIN BLOOD****ISPN 54375-119**

You must search for and destroy a half dozen life-snapping clones in order to survive and win the affections of Torka.

CAPTAIN BLOOD's compelling storyline will captivate even science fiction aficionados while its humor offers still broader appeal. Icon communication lends a new twist to the popular graphic adventure category. The language is extensive, yet easy-to-understand and fun to use. Flight sequences, featuring advanced 3-D graphics, add an exciting dimension to adventure game play.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 1.0+

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

ATARI 1040ST, 520ST

MEDIUM

5 1/4-inch disk

3 1/2-inch disk

3 1/2-inch disk

MEMORY

256K

512K

512K

PRICE

\$39.95

\$44.95

\$49.95

BOX OFFICE SOFTWARE**CAPTAIN POWER****ISPN 08327-180**

Captain Power wants you to join the soldiers of the future and prove yourself worthy of battle in a death-defying flight sequence.

CAPTAIN POWER takes place in the year 2147. The Metal Wars have reduced a lush Earth to the twisted and smoldering debris of a once-free world. Lord Dread now rules the enslaved planet and the few humans that survive. The future of mankind looked grim until now - with Captain Power and the Soldiers of the Future. Once you have passed the important test of skill, you are given the mission: Conduct a full-fledged bombing raid to end the rule of Lord Dread and his Bio Dread Empire.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

MEMORY

64K

256K

PRICE

\$14.95

\$14.95

BRODERBUND SOFTWARE, INC.**CHAMPIONSHIP LODER RUNNER****ISPN 08850-048**

Outrun and outsmart even more Bungling Guards in this sequel to Lode Runner. Sets up 50 all-new levels.

CHAMPIONSHIP LODER RUNNER wants you - if you've already mastered the challenge of Lode Runner (ISPN 08850-089). You can even earn a personalized Championship Certificate for surviving all 50 levels.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$34.95

MINDSCAPE, INC.

COMBAT COURSE

ISPN 54375-115

Get out those fatigues and put a shine on your army boots because you've just been drafted for a top-secret training camp.

CAMBAT COURSE allows you to test your skills and endurance in this fast-paced action game, then create your own courses with the unique construction set feature. Run the gauntlet in four grueling levels. Put it all together in the fifth level for the ultimate challenge. An obstacle course that has you crawling under barbed wire and scaling brick walls, with attack dogs in hot pursuit. Fight in ruthless hand-to-hand combat, or blast your opponents with a few rounds of machine-gun fire. If you thought a single run was tough, try your hand at all three together.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 640K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| <i>Requirements: Kickstart.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$34.95 |

DATA EAST USA, INC.

COMMANDO

ISPN 22515-150

As the crack Commando, pit your small arms skill against overwhelming rebel forces.

COMMANDO takes players into caves, trenches and strongholds to destroy enemies. Fire the machine gun! Throw some grenades! Collect supplies from outposts and break through enemy lines to reach the fortress. There can be no retreat - the fate of the free world is in your hands.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$14.95 |

KONAMI, INC.

CONTRA

ISPN 93345-160

Face the red falcon, the galaxy's fiercest foe and survive so that you may rescue the earth.

CONTRA'S weapons are legion, from rapid-fire machine guns to high-tech lasers. You will almost sweat blood as you force your way through 3-D mazes, underground security systems and tropical forests surrounded by waterfalls and alien cannons. Allows two to play simultaneously.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$34.95 |

AVALON HILL GAME CO./MICROCOMPUTER GAMES, INC.

DARKHORN

ISPN 06350-328

The muster of armies is accompanied by the gathering of storm clouds.

DARKHORN can be played by up to four players. The turning wheel of history has brought the four major powers into the final conflict for supremacy over the fertile land under the shadow of the towering mountain, DARKHORN. From the four armies, men, elves and dwarves fan out and occupy strategic strong points and search for the elusive enemy. Some enter villages, foothills, and woods, recruiting new members to the cause, while others remain behind and fortify the castles against siege. But watching over them all from his hidden fortress, the Darklord watches and waits to confront the champion who dares challenge his supremacy.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
Requirements: Joystick.

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$30.00

CINEMAWARE CORP.

DEFENDER OF THE CROWN

ISPN 12656-010

Win the crown of England and the love of many damsels.

DEFENDERS OF THE CROWN fills your journey with beautiful maidens to win, bold knights to challenge and enemy castles to siege. Stages jousts and sword fights to test your mettle.

SYSTEM

APPLE IIGS
 COMMODORE AMIGA 500, 1000, 2000
 COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+
Requirements: CGA or EGA.
 IBM/MICROSOFT PC/MS-DOS 2.0+
Requirements: CGA or EGA.
 APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
 3 1/2-inch disk
 5 1/4-inch disk
 3 1/2 and 5 1/4
 5 1/4-inch disk
 3 1/2-inch disk

MEMORY

768K
 512K
 64K
 256K
 256K
 512K

PRICE

\$49.95
 \$49.95
 \$34.95
 \$49.95
 \$39.95
 \$49.95

MINDSCAPE, INC.

DEJA VU II: LOST IN LAS VEGAS

ISPN 54375-204

You've been abducted by two thugs from Chicago and you have to come up with \$100,000.00 in seven days.

DEJA VU II: LOST IN LAS VEGAS is a state-of-the-art thriller. You'll meet the nicest people who want you to play with them. There are no cumbersome commands to type, no guessing what to do. You are totally free to explore and manipulate the objects in every detailed screen, choosing your own path through the mystery.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

MINDSCAPE, INC.

DEJA VU-A NIGHTMARE COMES TRUE

ISPN 54375-048

Ages teens to adults: Explore this Chanderlesque murder mystery - everything seems vaguely familiar, yet you remember nothing.

DEJA VU-A NIGHTMARE COMES TRUE's combination of mouse technology, text and graphics adventure gets you into places other mysteries won't go. Everything in this mystery seems vaguely familiar, yet you remember nothing. Want to know what's in the coat pocket? Click the mouse and the contents are scattered for you to see. Want to know who's trying to kill you? That's something you'll have to figure out for yourself. Allows you to control the game via the mouse.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

STRATEGIC SIMULATIONS, INC.

DEMON'S WINTER

ISPN 76500-240

Allows the player to create a party of five adventurers and direct their travels throughout a large world.

The characters are trying to save the land of Ymros from the great demon Malifon. As the game progresses, the party will be confronted with not only the normal dangers and puzzles present in many role playing games, but also with a strong, carefully constructed storyline that involves the characters in its intricate web. The characters will discover the true goals to the game while the game progresses.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|----------------------|----------------------|---------------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$29.95 |

READYSOFT, INC.

DRAGON'S LAIR

ISPN 65379-150

You control Dirk the Daring on a quest to rescue the fair Princess Daphne from the clutches of an evil dragon.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|----------------------|----------------------|---------------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 1024K | \$59.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$24.95 |

STRATEGIC SIMULATIONS, INC.

DUNGEON MASTERS ASSISTANT (VOL. 1)- ENCOUNTERS

ISPN 76500-115

Contains thousands of encounters, monsters and characters for use with the Advanced Dungeons and Dragons series.

DUNGEON MASTER ASSISTANT (VOL. 1)-ENCOUNTERS contains over 1,000 encounters and over 1,300 monsters and characters from the Advanced Dungeons and Dragon Monster Manuals I and II. Monster records and encounter printouts total several hundred pages. A printer is not required in order to use this product since data can also be output to disk or screen. Allows Dungeon Masters to modify the existing data or add their original monsters and encounters to the database. The ability level is Introductory/Intermediate/Advanced.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$29.95 |

ADDISON WESLEY PUBLISHING CO.

FELLOWSHIP OF THE RING

ISPN 00900-215

Traverse the mysterious paths of middle earth in these two Tolkienian adventures.

FELLOWSHIP OF THE RING's two consecutive adventures spring from the classic story by J.R.R. Tolkien. Meet the half-elf Elrond, Gandalf the wizard and a host of other mystical creatures as you explore the land. The package includes a reference guide and a map for crossing between your home of the Shire and the evil environs of Mordor. Allows from one to three players.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, IIC, IIE, IIGS <i>Requirements: DOS 3.3.</i> | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE 64/128 <i>Requirements: Commodore disk drive.</i> | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 128K | \$39.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$39.95 |

MINDSCAPE, INC.

GAUNTLET

ISPN 54375-310

Battle ghosts, grunts, demons and sorcerors while looking for the exit to the next maze level.

GAUNTLET's decisions are not easy from the start. You must weigh the pluses and minuses of each character - Merlin is weak in body but strong in spells, Thor is powerful but slow. Knowing your characters will maximize your chances for survival. Once you enter, you will be greeted by a dungeon teeming with ghosts, demons, robbers and other creatures. They will block your path to the food, treasures, keys, potions and exits of the mazes. Provides the action of the arcade original. Lets you play with characters Thor, Thyra, Merlin and Questor. Allows one or two players. Contains over 100 different mazes.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$39.95 |
| APPLE IIGS | 5 1/4-inch disk | 512K | \$44.95 |

SYSTEM

COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+
 IBM/MICROSOFT PC/MS-DOS 2.0+
 APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk
 3 1/2-inch disk
 3 1/2-inch disk

MEMORY

64K
 128K
 128K
 512K

PRICE

\$34.95
 \$39.95
 \$34.95
 \$49.95

SIERRA ON-LINE, INC.

GOLD RUSH!

ISPN 69925-230

Relive one of America's most exciting eras as you seek to reach the West Coast and pan for gold.

GOLD RUSH! opens 3 paths to America's mid-19th century gold fields. Choose expedition 1 and travel by ship along the gulf stream to Panama. Next you'll proceed on foot through the rugged jungles of Central America; avoid quicksand, poisonous snakes and hostile natives. Choose expedition 2 and travel by stagecoach, canal boat and steamer while crossing the heartland of America towards the Wild West. Obstacles that await you include cattle rustlers, thieves, Indians, swiftly changing climates and geographical barriers. Choose expedition 3 and become a seafarer as you take a long, perilous journey from the East Coast to the tip of Cape Horn, and back to California. Scurvy, starvation, and nautical perils will test your constitution and your navigation skills. GOLD RUSH! includes historical maps and will teach history and geography of the era.

SYSTEM

APPLE IIGS
 IBM/MICROSOFT PC/MS-DOS 2.0+
 IBM/MICROSOFT PC/MS-DOS 2.0+
 APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
 ATARI 1040ST, 520ST

MEDIUM

3 1/2-inch disk
 5 1/4-inch disk
 3 1/2-inch disk
 3 1/2-inch disk
 3 1/2-inch disk

MEMORY

512K
 256K
 256K
 512K
 512K

PRICE

\$39.95
 \$39.95
 \$39.95
 \$39.95
 \$39.95

MINDSCAPE, INC.

HARRIER COMBAT SIMULATOR

ISPN 54375-080

Fly the Harrier Jump Jet to destroy enemy headquarters in this '1st person' shoot-em-up.

HARRIER COMBAT SIMULATOR gives you a crucial mission - to seek out and destroy enemy HQ in the U.S. Marine Harrier. You'll fight off enemy, air and ground forces in life-like action. See your airspace in 3-D graphics.

SYSTEM

COMMODORE 64/128
 COMMODORE AMIGA 500, 1000, 2000
 IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
 3 1/2-inch disk
 5 1/4-inch disk

MEMORY

64K
 512K
 640K

PRICE

\$29.95
 \$49.95
 \$34.95

STRATEGIC SIMULATIONS, INC.

HEROES OF THE LANCE

ISPN 76500-333

Guide eight brave adventurers deep into the ruins of Temple Tak Tsaroth to find the platinum disk of Mishkaal.

HEROES OF THE LANCE's ultimate end is Khisanth, the ancient black dragon. You must keep your adventurers whole as they face the onslaught of Draconians, giant spiders, skeletal undead and other terrors. Find the key to destroy Khisanth, or resign yourself to failure. This program is derived from the Advanced Dungeons and Dragons game system Dragonlance.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|----------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$39.95 |
| <i>Requirements: CGA or EGA.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$39.95 |
| <i>Requirements: CGA or EGA.</i> | | | |

STRATEGIC SIMULATIONS, INC.

HILLSFAR-ADVANCED DUNGEONS AND DRAGONS

ISPN 76500-335

Explore the city, meet its colorful denizens on the streets or in pubs and discover a quest (there are many possible ones).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$49.95 |

INFOCOM, INC.

HITCHHIKER'S GUIDE TO THE GALAXY

ISPN 37413-027

Be Arthur Dent, a hapless earthling who tries to hitchhike across the galaxy in this fantasy game.

HITCHHIKER'S GUIDE TO THE GALAXY's Hitchhiker's Guide is a tiny electronic device similar in appearance to a large calculator. It has 100 tiny buttons and a 4 inch screen on which any 1 of 1,000,000 'pages' can be summoned in a moment. This gadget will be particularly helpful after you awake one morning to find your house in the path of bulldozers, clearing way for a new highway. Provides a hilarious yet challenging adventure game.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$14.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$14.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$14.95 |

ADDISON WESLEY PUBLISHING CO.

HOBBIT

ISBN 00900-230

Become the hobbit Bilbo Baggins and enter the world of Middle Earth, trolls and Wilderland.

HOBBIT's world is populated by fiends like Gollum, and friends like Gandalf and Thor. Seek treasures and slay dragons while on a wonderful, frightening, magical journey. The package includes color-graphic illustrations, a reference card, a map of Wilderland, and 32 pages of documentation with clues. Contains multiple playing paths. Responds to a 900-word 'English' vocabulary and allows over 50 kinds of action.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: DOS 3.3.</i> | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 128K | \$34.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$39.95 |

FIRST ROW SOFTWARE PUBLISHING

HONEYMOONERS (THE)

ISBN 91839-350

Players help Ralph and Ed, Alice and Trixie raise money to go to the Raccoons' Convention in Miami.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$39.95 |

MINDSCAPE, INC.

HOSTAGE

ISBN 54375-303

Desperate terrorists have overrun the embassy - terrorists who'll stop at nothing to get what they demand.

HOSTAGE allows you to position your team in key points around the embassy, then decide the best way to infiltrate the building itself. Once inside, beware! Terrorists can appear around any corner; only the sharpest marksmen stand a chance in this deadly mission. It's the rescue challenge ripped straight from today's headlines.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 500K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$44.95 |

CINEMAWARE CORP.

KING OF CHICAGO

ISPN 12656-020

Sweep forces of the 1930's Al Capone gang out of Chicago. Based on 1930's gangster movies.

KING OF CHICAGO gives you the gang and the guise of Pinky Callahan, the newcomer who wants to knock Capone off the top of the pile. Use any tactic - the dirty ones are the best (violence, intimidation, bribery and treachery).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 768K | \$49.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |

SIERRA ON-LINE, INC.

KING'S QUEST I

ISPN 69925-290

Become Sir Graham as you search for the lost treasures of Davenport.

KING'S QUEST I's brave and noble knight can run, swim, jump and talk his way into and out of trouble. Guide him as he embarks on a long journey that takes him within a claw's length of trolls, giants and wicked witches. KING'S QUEST I understands entire sentences, not merely one or two word commands. Displays animated characters encountered in the search. Offers multiple solutions and variable scoring.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

SIERRA ON-LINE, INC.

**KING'S QUEST II-ROMANCING THE THRONE
(VER. 1.1H)**

ISPN 69925-295

Travel with King Graham to rescue the beautiful maiden.

KING'S QUEST II-ROMANCING THE THRONE puts your computer keyboard or joystick at your service, sending King Graham through his medieval paces. Walk, run, swim or ride (in one case, a magic seahorse) as you travel to find the magic keys that lead you to an enchanted land where the princess is locked in a tower. Mingle with legendary characters like Count Dracula and King Neptune, and acquire legendary devices like magic carpets. Program features 14 musical tunes, including classics such as the love theme from 'Romeo and Juliet'. Offers multiple solutions and variable skill levels. Presents the adventure in a graphic, animated, 3-D format.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|----------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 256K | \$49.95 |

Requirements: Color monitor.

SYSTEM

APPLE IIGS

Requirements: Color monitor.

COMMODORE AMIGA 500, 1000, 2000

IBM/MICROSOFT PC/MS-DOS 1.0+

Requirements: CGA.

IBM/MICROSOFT PC/MS-DOS 1.0+

*Requirements: CGA.***MEDIUM**

3 1/2-inch disk

3 1/2-inch disk

5 1/4-inch disk

3 1/2-inch disk

MEMORY

256K

512K

256K

256K

PRICE

\$49.95

\$49.95

\$49.95

\$49.95

SIERRA ON-LINE, INC.**KING'S QUEST IV-THE PERILS OF ROSELLA****ISPN 69925-300**

Help Rosella find the enchanted fruit that will save her father's life.

KING'S QUEST IV-THE PERILS OF ROSELLA places Genesta in peril of imminent death, a death only you can avert as you destroy the evil Lolotte and restore the sacred talisman to its rightful owner. You will face creatures from ancient legends, beautiful unicorns as well as hideous ogres.

SYSTEM

APPLE IIGS

APPLE IIE, IIC

COMMODORE AMIGA 500, 1000, 2000

IBM/MICROSOFT PC/MS-DOS 2.0+

IBM/MICROSOFT PC/MS-DOS 2.0+

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

ATARI 1040ST, 520ST

MEDIUM

3 1/2-inch disk

5 1/4-inch disk

3 1/2-inch disk

5 1/4-inch disk

3 1/2-inch disk

3 1/2-inch disk

3 1/2-inch disk

MEMORY

512K

128K

512K

512K

512K

512K

512K

PRICE

\$49.95

\$49.95

\$49.95

\$49.95

\$49.95

\$49.95

\$49.95

EPYX, INC.**L.A. CRACKDOWN****ISPN 29575-405**

You, the senior detective in a drug investigation, must guide a novice as you bust a drug ring.

L.A. CRACKDOWN has you send your rookie to question underworld characters, gather evidence and plant bugs. Your best laid plans may go astray. Stay alert, sometimes the rookie will challenge your authority and make his own moves.

SYSTEM

COMMODORE 64/128

IBM/MICROSOFT PC/MS-DOS 2.0+

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

3 1/2-inch disk

MEMORY

64K

128K

128K

PRICE

\$19.95

\$19.95

\$19.95

MEDIAGENIC/ACTIVISION ENTERTAINMENT**LAST NINJA (THE)****ISPN 48679-327**

In ancient Japan, a power-hungry shogun stole the sacred scrolls of White Ninja and took them to his island Stronghold.

LAST NINJA reincarnates you as the surviving hope of the Ninja Brotherhood. You must wield the various stars, swords, nunchakus and magic charms to crash through the

layers of dragons, warriors and masters. Replenish your food supplies and weapons as you bust up the fortress and find the stolen scrolls. Challenges you with six levels of difficulty and includes over 130 screens of detailed, 3-D color graphics. Provides over 1,000 moving sprites.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 128K | \$34.95 |
| APPLE IIGS <i>Requirements: Joystick.</i> | 3 1/2-inch disk | 512K | \$44.95 |
| COMMODORE 64/128 <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$42.95 |

CINEMAWARE CORP.

LORDS OF THE RISING SUN

ISPN 12656-050

Set in 12th century Japan, you are the lead character in a quest to redeem family honor.

LORDS OF THE RISING SUN is an historically accurate far eastern epic.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |

ELECTRONIC ARTS

MAGIC CANDLE (THE)

ISPN 28512-510

You must save the land of Deruvia from the wrath of Draux, who has been imprisoned within the flame of 'The Magic Candle' for ages.

Imprisoned within THE MAGIC CANDLE is the arch-demon Dreux. Stop the candle from melting before Dreux escapes and wreaks havoc on the peaceful lands of Deruvia! Inhabited by elves, dwarves, goblins, wizards and traditional fantasy creatures, Deruvia is a vast world waiting to be explored. You'll encounter any one of 26 types of monsters and use special skills such as sword swinging, fireball throwing, or casting one of 24 magical spells - many with visual effects. Explore 54 dungeon levels, six towns, six villages and two castles. Meet and question the natives, and hold lengthy conversations with local village and town inhabitants. Players use acquired skills in the quest to recover the lost knowledge needed to stop the candle from burning out. Provides over 200 hours of play time complemented by full perspective graphics and a combat system that encourages tactical and strategical thinking. Build an exploration team from 25 individually designed characters. You may interview each before inviting them to join the forces, and teams can be built for specific purposes and can later be disbanded. As leader, you'll assign each group a different activity such as working, training, or sleeping. You and your team must seek out the lost knowledge, though your obstacles can be deadly! The forces of darkness led by might demon lords are your most fierce enemies.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$49.95 |

SIERRA ON-LINE, INC.

MANHUNTER-NEW YORK

ISPN 69925-306

Step into the role of manhunter, spy and assassin as you work for aliens that have taken over the Earth.

MANHUNTER-NEW YORK stimulates your mental and moral faculties as you, a NYC detective, are contracted by the alien dictatorship to track human activities, monitor human movements and report subversion. As your character develops, you will be given opportunities to make critical decisions and moral choices for good or for evil. Eventually you will wind up as either a destructive manhunter or a supporter of the human underground. Travel through haunting locations that replicate post-holocaust Manhattan in your passage out of neutrality. Has split-screen and advanced windowing capabilities. Provides cinematic effects, uses a third person perspective for scenic overviews and uses the first person perspective for one-on-one confrontations. Supports joystick or mouse use.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIGS <i>Requirements: Joystick or mouse.</i> | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

LUCASFILM LTD.

MANIC MANSION

ISPN 45562-500

The player's goal seems to be to rescue a kidnapped friend from a mansion but the plot thickens and stranger plots are discovered.

Features contemporary characters in a rich, entertaining environment. Have you seen that wierd old mansion? Strange things happen there. A lovely young girl has disappeared and you are sure she is inside. But what else is in there? Romance? Mystery? Intrigue? Microwave ovens? Obscene phone calls? Small furry animals? Strange aliens? Electric cattle prods? Perhaps a plot for world domination? You bet. Not to mention the crazy doctor, who is scheming to take over the world, one teenager at a time. This program is full of mentally challenging situations throughout the very large and realistic mansion that contains 55 three-dimensional rooms and areas. More than 450 objects in the mansion's interior can be manipulated by the player and used to solve the mysteries. With at least five successful endings, the game allows for play time after time, with different characters, challenges and laughs every time. The graphic design and realistic use of objects allow the story to be conveyed visually without relying on extensive narrative context. Adding to the design are 'cut scenes,' non-interactive animated sequences that expand upon the plot and give puzzle hints. Allows players to see and feel their way around the imaginary world instead of trying to figure out which words and phrases the computer understands. The joystick-driven interface makes this adventure game entertaining for computer novices and for seasoned adventure gamers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$44.95 |
| COMMODORE 64/128 <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$44.95 |

ELECTRONIC ARTS**MARS SAGA****ISPN 28512-038**

In 2055 A.D. Earth sends its worst convicts to Mars to mine its mineral wealth. You must learn to survive on this prison colony.

In MARS SAGA, players create and control characters to explore the planet, increasing their abilities, wealth and intelligence along the way. Each character can learn up to 21 skills, such as language and programming, arc gun and street skills. The players' goal in MARS SAGA is to find out what happened to the city of Proscenium, which has fallen as silent as the Martian desert sands. As you explore, the intelligent menu system remembers everything you've said and done. Success depends on savvy combat tactics and strategy and using your character's skills to the best advantage. Check-out your party recruits closely and make sure they're tough enough, or you'll be history nobody remembers. The combat system is highly interactive; characters and their opponents act simultaneously so combat has a life-like, or if things go wrong, death-like, feel. Players get to choose their level of involvement in combat sequences so you can let the computer fight your battles for you or you can show some guts and fight for yourself. This gives players the choice of making the combat system in MARS SAGA as complex or simple as they like. Regardless, survival is your primary objective.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------------|----------------------|----------------------|---------------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |

NEW WORLD COMPUTING, INC.**MIGHT AND MAGIC II: GATES TO ANOTHER WORLD****ISPN 56744-550**

A 3-D role-playing simulation featuring on-screen mapping, a multitude of towns, castles, caves and dungeons.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| APPLE II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$59.95 |

NEW WORLD COMPUTING, INC.**MIGHT AND MAGIC-THE SECRET OF THE INNER SANCTUM****ISPN 56744-500**

Create up to six characters and adventure through towns, castles, mountains, caverns and dungeons.

MIGHT AND MAGIC-THE SECRET OF THE INNER SANCTUM gives beginners a chance - it provides a section devoted especially to beginner's. Stocks hundreds of special events and encounters. Allows four magic spells. Contains over 200 monsters and over 250 magic items.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
 COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+
 APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk
 5 1/4-inch disk
 3 1/2-inch disk

MEMORY

48K
 64K
 64K
 512K

PRICE

\$49.95
 \$39.95
 \$49.95
 \$59.95

Requirements: 800K disk drive.

ORIGIN SYSTEMS, INC.**MOEBIUS I-THE ORB OF CELESTIAL HARMONY**

ISPN 58793-750

You must recover the stolen Orb of Celestial Harmony or chaos will erupt.

MOEBIUS I-THE ORB OF CELESTIAL HARMONY provides three tools for you to save the universe - your knowledge of martial arts, your sword and your wits. As you travel through the four elemental planes of Earth, Water, Air and Fire in search of the Orb, you must liberate villages and shrines that have fallen under the sway of the evil warlord of the east wind, 'Kairmen.' Magical charms abound to aid you, but even so you must beware of the guards and assassins. They lurk behind every tree and rock, waiting to kill you at the first opportunity. In addition, you must meet the elemental residents of the planes - they too have a general hatred of solitary travelers.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
 COMMODORE AMIGA 500, 1000, 2000
 IBM/MICROSOFT PC/MS-DOS 2.0+
 APPLE MAC, II, +, SE, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
 3 1/2-inch disk
 5 1/4-inch disk
 3 1/2-inch disk

MEMORY

64K
 512K
 256K
 512K

PRICE

\$39.95
 \$39.95
 \$39.95
 \$39.95

FIRST ROW SOFTWARE PUBLISHING**MOSES THE OLD TESTAMENT #1**

ISPN 91839-500

An historically accurate graphic adventure that follows the difficult mission of Moses.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2-inch disk

MEMORY

640K

PRICE

\$29.95

BRODERBUND SOFTWARE, INC.**MURDER CLUB**

ISPN 08850-530

An interactive, highly involving mystery adventure in which Bill Robbins has been killed and you've been assigned to solve the case.

MURDER CLUB takes you on an investigation, during which you'll search rooms throughout the city, explore the scene of the crime, interrogate witnesses, do research in the police library and take evidence to the lab for analysis. Features an intricate plot with several surprising twists and turns. There are 33 characters to question, including 12 prime suspects. Provides over 2,500 clues and messages to sift through and 23 locations to investigate. A special chart lets you check your progress in various categories at any time. MURDER CLUB features a menu-driven interface - only two keys

are needed to play. Includes user documentation and a detective's notebook. Designed for mystery fans, ages 15 to adult.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+
IBM/MICROSOFT PC/MS-DOS 2.1+

MEDIUM

5 1/4-inch disk
3 1/2-inch disk

MEMORY

384K
384K

PRICE

\$39.95
\$39.95

INTERPLAY**NEUROMANCER (VER. 1.0)****ISPN 40260-300**

A role-playing adventure puts you into the run down world of Chiba City where you must explore and meet up with other hackers.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
APPLE IIGS
COMMODORE 64/128
COMMODORE AMIGA 500, 1000, 2000
IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk
3 1/2 and 5 1/4

MEMORY

128K
512K
64K
512K
256K

PRICE

\$44.95
\$44.95
\$39.95
\$44.95
\$44.95

EPYX, INC.**OMNICRON CONSPIRACY****ISPN 29575-505**

Uncover the mysterious spaceship lost during a routine mission.

OMNICRON CONSPIRACY offers you, Captain Ace Powers, the resources of a planet-sized computer and an arsenal of high-tech weaponry. It is your intelligence and courage that will recover the renegade starship transported 10 lifetimes away from its position.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
IBM/MICROSOFT PC/MS-DOS 2.0+
IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
5 1/4-inch disk
3 1/2 and 5 1/4

MEMORY

128K
128K
128K

PRICE

\$39.95
\$49.95
\$49.95

AVALON HILL GAME CO./MICROCOMPUTER GAMES, INC.**POLICE BLOTTER****ISPN 06350-666**

Takes players on a make-believe adventure as a homicide detective in the unlucky 13th precinct.

POLICE BLOTTER allows a player to take up to three friends to help solve cases in the 13th precinct. As a homicide detective, the player must sort out the tricky clues and get past the red herrings contained in each case. The detective and his friends must deal with such problems as to what the body was doing in the boat in the middle of the lake, who stole the Lincoln Acorn and the murder of Reverend Slade. The object is to detect seven lucky cases from the unlucky 13th. Can also be played solitaire. Includes a map of Queensport's 13th precinct and The Clue Book, which helps the detective build an iron-clad case in order to obtain an arrest warrant.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$29.95

SIERRA ON-LINE, INC.

POLICE QUEST II-THE VENGEANCE

ISPN 69925-535

Follow the bloody trail of Jessie Bains (the Death Angel) as you play police detective Sonny Bonds.

POLICE QUEST II-THE VENGEANCE brings the Death Angel back with a score to settle. To get out, Jessie murdered his jailer and now he's kidnapped your girlfriend. Count on your investigative skills to stop Jessie as you race against the deadline. Go on a scuba mission and learn the perils of the deep. Cope with panic as you become the victim of a terrorist skyjacking. Stare down the end of a .357 Magnum and learn proper police procedures in order to successfully complete this adventure. Master the use of weapons, become adept at disarming bombs and work with forensics and crime labs while seeking vital evidence. This package includes a complete homicide detective's guide.

SYSTEM

COMMODORE AMIGA 500, 1000, 2000
IBM/MICROSOFT PC/MS-DOS 2.0 ONLY
ATARI 1040ST, 520ST

MEDIUM

3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk

MEMORY

512K
512K
512K

PRICE

\$49.95
\$49.95
\$49.95

SIERRA ON-LINE, INC.

POLICE QUEST-IN PURSUIT OF THE DEATH ANGEL

ISPN 69925-534

As a police officer, you must stop the flood of drugs into your small mid-American town.

POLICE QUEST-IN PURSUIT OF THE DEATH ANGEL recreates a complete police investigation for you - not only the high-speed chases and life-threatening situations, but also the red tape and routines as well. Handle traffic violations, attend briefings and follow strict police procedures when you bust a suspect in your search for hot leads. The package includes a manual explaining police procedures for arrests and other situations. Also supports a keyboard or joystick.

SYSTEM

APPLE IIGS
COMMODORE AMIGA 500, 1000, 2000
IBM/MICROSOFT PC/MS-DOS 1.0+
IBM/MICROSOFT PC/MS-DOS 1.0+
APPLE MAC, II, +, SE, XL, IIX, ICX, IICI

MEDIUM

3 1/2-inch disk
3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk
3 1/2-inch disk

MEMORY

512K
512K
256K
256K
512K

PRICE

\$49.95
\$49.95
\$49.95
\$49.95
\$49.95

STRATEGIC SIMULATIONS, INC.

POOL OF RADIANCE

ISPN 76500-111

Discover the identity of the evil force that rules the fabled city of Phlan and rid the city of its scourge.

Adheres to the Advanced Dungeons and Dragons game standards. The monsters, items and spells used are from the Advanced Dungeon and Dragons Monster Manuals, Dungeon Masters Guide and Players Handbook. Roll up characters from four classes, six races and nine alignments in an Advanced Dungeons and Dragons game fashion or

use the party already provided. Each character comes with a portrait display, and each monster type is individually drawn. Cities, dungeons and encounters are shown in realistic 3-D perspective. Swinging swords, flying arrows and fireballs are all part of the Tactical Combat display. Users can personalize their heroes' combat figures with individual weapons, armor and colors. Add computer-controlled Non-Player Characters(NPCs) to your party of up to six Player Characters(PCs) to fill out your eight character party. Users can control their PCs during battle, or let the computer handle some or all of the action. To help the party on its many different missions, the Adventurer's Journal guides users with history, maps, clues and rumors. A Translation Wheel converts Elvish and Dwarvish writing to English. The ability level is introductory. Length of play is 40 to 80 hours.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$44.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA or EGA.</i> | 5 1/4-inch disk | 384K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA or EGA</i> | 3 1/2-inch disk | 384K | \$49.95 |

ELECTRONIC ARTS

PROJECT FIRESTART

ISPN 28512-033

You try to solve the mystery of what is happening to the research ship Prometheus as it orbits Titan, a moon of Saturn.

PROJECT FIRESTART mixes elements of science fiction with the look and sound of a horror movie by using close-ups, tracking shots, fades and pans, all enhanced by sound effects in a dramatic musical score. With dark ominous hallways, inhuman killers lurking in the shadows, blood-splattered rooms and a damsel in distress, PROJECT FIRESTART plays like a science-fiction horror movie and you've been cast in the leading role. Scientists aboard the Prometheus are conducting genetic experiments aimed at creating artificial creatures which will act as workers in mines on distant asteroids. It is a dangerous process, but strict safeguards are put in place to protect the crew. Suddenly, mysteriously, the Prometheus falls silent. The System Science Foundation sends you, its top troubleshooter, to investigate. It is your job to find out what is happening to the research ship, rescue any survivors, find the science log, and if necessary, blow up the ship and get out. Throughout the mission, close-ups of monsters and pans of rooms around the ship flash across the screen. Battles to the death against monsters with an appetite for flesh, and the search for clues, weapons and security passes in rooms littered with mangled bodies are among the highlights of this mission. Tension builds with twists in the plot as you hear the piercing sound of the unstoppable self-destruct mechanism counting down. Every phase of the mission must be completed for you to solve the ultimate puzzle of the Prometheus and enable you to defeat its ultimate threat.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |

MINDSCAPE, INC.

RAMBO-FIRST BLOOD PART II

ISPN 54375-580

Aided only by a beautiful woman, an AK-47 machine gun, a knife and a bow, you face the nightmare of Vietnam all over again.

In RAMBO-FIRST BLOOD PART II, your war was never over. And now you're going back. The parachute drops you into the middle of enemy territory. Your mission: Prove the existence of American POW's in Vietnam, but don't engage the enemy. Leave it to the government to get them out. But who could leave Americans in that hellhole? Not you, John Rambo. Features advanced techniques that allow you to give commands in plain English, fully developed characters that respond realistically and detailed prose that transports you to the jungle setting.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$9.95 |

MICROPROSE SOFTWARE

RED STORM RISING

ISPN 53025-035

Enables the player to become the captain of an American nuclear attack submarine.

The player is all that stands between the Russian bear and global domination. Based on Tom Clancy's number one best-seller of the same name.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$44.95 |
| <i>Requirements: Joystick, 1541 or 1571 disk drive.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$54.95 |
| <i>Requirements: CGA, EGA, VGA or Hercules Graphics Adapter.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$54.95 |
| <i>Requirements: CGA, EGA, VGA or Hercules Graphics Adapter.</i> | | | |

ELECTRONIC ARTS

SENTINEL WORLDS I: FUTURE MAGIC

ISPN 28512-034

Players must stop the savage destruction of valuable cargo transports by mysterious raider ships in the Caldorre System.

SENTINEL WORLDS I: FUTURE MAGIC is a science fiction role-playing mystery. You are in command of a high-performance warship equipped with sophisticated combat systems and a skilled crew. Together you must execute classified orders in an attempt to secure the safety of the Federation transports and the future development of civilized space settlements. As the adventure unfolds, the player is challenged to resolve the cause of hostile attacks on Federation transports and uncover clues to the ancient history of the Caldorre system. Players are continuously challenged by interplanetary communication and warfare. Your missions introduce you to a variety of natives from other planets - some are highly evolved, but others are belligerent. You must be clever and persuasive as you gather information, because each encounter reveals more pieces to an ancient mystery within a mystery. Contains graphics, including more than 150 separate illustrations and a top down-animated view of characters and boundaries. A

unique 'Battle Helmet' gives players a camera's eye view of the action and a first person feeling of movement. Since you can be rewarded for the success of your missions, top performance is dependent on tactical planning. In addition to the strategic selection of weapons and armor, entrepreneurial skills will be necessary when there is a need to purchase additional equipment, weapons or take advanced training.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$54.95 |
| <i>Requirements: CGA or EGA.</i> | | | |

MINDSCAPE, INC.

SHADOWGATE

ISPN 54375-639

Seek out and destroy the warlock before he carries out his evil deed.

SHADOWGATE will chill your bones as you find the evil warlock and destroy him within his huge castle filled with evil creatures, secret passageways and collapsing floors. Sets adventure to digitized sound and sophisticated animation.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$44.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

ADDISON WESLEY PUBLISHING CO.

SHADOWS OF MORDOR

ISPN 00900-660

Keep the ring away from the greedy wizard, Sauron, in this adventure based on the Lord of the Rings.

SHADOWS OF MORDOR is adapted from Book IV of the Two Towers novel. You and your hobbit band must tame the stealthy Smeagol, outwit the black raiders and defeat the monstrous Shelob. Descend treacherous cliffs, navigate deadly tunnels and sneak through the evil city of the Nazgul. Provides surprising twists that keep you challenged. Offers a graphics enhanced adventure. A color monitor is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 54K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$39.95 |
| <i>Requirements: CGA.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$39.95 |
| <i>Requirements: 800K disk drive.</i> | | | |

SIERRA ON-LINE, INC.

SPACE QUEST (VER. 1.0)

ISPN 69925-640

As Roger Wilco, average guy turned space-age swashbuckler, you must recover stolen technology.

SPACE QUEST's bumbling hero, Roger Wilco, must muster what it takes to recapture a star generator. Find out if Roger can do it as you guide him through alien landscapes, enemy space craft and encounters with creatures as wierd as anything you can imagine.

SYSTEM

COMMODORE AMIGA 500, 1000, 2000
IBM/MICROSOFT PC/MS-DOS 2.0+
IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk

MEMORY

512K
256K
256K

PRICE

\$49.95
\$49.95
\$49.95

SIERRA ON-LINE, INC.

SPACE QUEST II-VOHAUL'S REVENGE

ISPN 69925-641

Step into Roger Wilco's space sneakers as you stop a mad scientist's sadistic plans to destroy planet Xenon.

SPACE QUEST II-VOLHAUL'S REVENGE's threat is so evil, so deadly that even Vohaul had nightmares thinking about it - it's the invasion of the insurance salesman. Protect the doors and minds of the people of Xenon as you, in the guise of average guy, Roger Wilco, put the kibosh on Vohaul's horrifying scheme.

SYSTEM

APPLE IIGS
APPLE II, II +, IIC, IIE, IIGS
COMMODORE AMIGA 500, 1000, 2000
IBM/MICROSOFT PC/MS-DOS 2.0+
IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk

MEMORY

512K
48K
512K
256K
256K

PRICE

\$49.95
\$49.95
\$49.95
\$49.95
\$49.95

SIERRA ON-LINE, INC.

SPACE QUEST III-THE PIRATES OF PESTULON

ISPN 69925-642

Become Roger Wilco and save two software developers from a fate worse than death.

SPACE QUEST III puts the software authors (the two Guys from Andromeda) in danger of churning out dull arcade games for the Scumsoft software empire. Penetrate the planet Pestulon and pulverize the puerile pirates who hold the programmers prisoner.

SYSTEM

APPLE IIGS
IBM/MICROSOFT PC/MS-DOS 2.0+
IBM/MICROSOFT PC/MS-DOS 2.0+
APPLE MAC, II, +, SE, XL, IIX, IICX, IICI
ATARI 1040ST, 520ST

MEDIUM

3 1/2-inch disk
5 1/4-inch disk
3 1/2-inch disk
3 1/2-inch disk
3 1/2-inch disk

MEMORY

512K
512K
512K
512K
512K

PRICE

\$49.95
\$59.95
\$59.95
\$59.95
\$49.95

FIRST ROW SOFTWARE PUBLISHING

STAR EMPIRE

ISPN 91839-700

An interactive fantasy adventure set in a space odyssey.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$29.95

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$29.95

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP**STAR TREK-FIRST CONTACT****ISPN 70387-752**

Become James T. Kirk and make contact with a new interstellar civilization.

STAR TREK-FIRST CONTACT hands you sealed orders regarding a possible interstellar civilization. As James T. Kirk, you must complete the mission while administering to the needs of diplomats who are also on board and need to reach Gothica. Your detailed captain's log and ship's computer will familiarize you with a trove of Trek lore. Has graphic displays of important locations, objects and aliens. Speeds your mission with pop-up menus which acquaint you with StarFleet protocol and appropriate actions.

SYSTEM

APPLE II +, IIC, IIE

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$29.95

Requirements: Printer for Captain's Log.

APPLE II +, IIC, IIE

3 1/2-inch disk

128K

\$39.95

Requirements: Printer for Captain's Log.

COMMODORE 64/128

5 1/4-inch disk

64K

\$29.95

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

256K

\$39.95

Requirements: Two disk drives or hard disk, CGA, EGA or Hercules card.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

256K

\$39.95

Requirements: Two disk drives or hard disk, CGA, EGA or Hercules card.

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP**STAR TREK-THE PROMETHEAN PROPHECY****ISPN 70387-746**

Find food sources for the Enterprise crew or they will starve. Handles complex sentences and objects.

STAR TREK-THE PROMETHEAN PROPHECY puts you in the role of Captain James T. Kirk, commander of the ship Enterprise. You must make contact with an enigmatic alien culture on a planet never before visited by a Federation vessel. Your personal safety and that of the crew depend on the skill with which this first contact is made. Another consideration has arisen as well - an attack has left your ship crippled and your food supply contaminated. You must unravel the mystery of the Promethean culture and uncover an adequate food supply quickly. You will use all the devices created for the actual series - Phasers, tricorders, communicators and photon torpedoes. You'll even command all the unique personalities seen on the show. Offers on-line help.

SYSTEM

APPLE II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$14.95

COMMODORE 128

5 1/4-inch disk

128K

\$14.95

COMMODORE 64/128

5 1/4-inch disk

64K

\$14.95

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

64K

\$14.95

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

128K

\$19.95

SIMON AND SCHUSTER ELECTRONIC PUBLISHING GROUP

STAR TREK-THE REBEL UNIVERSE

ISPN 70387-751

Halt the Klingon inspired rebellion as you and your crew of six run into Klingons, Romulans and renegades.

STAR TREK-THE REBEL UNIVERSE plants you, Captain Kirk, in the midst of a major crisis. Search for clues scattered on over 4000 planets that will help resolve the rebellion. You command full resources of the Enterprise, including warp-speed engines, three levels of star map magnification, photon torpedoes, phaser beams and transporter. Offers advice from ship officers and displays ship apparatus through unique screens for each crew member. Recreates the Enterprise's sound effects. Includes a red alert siren and a communications hailing whistle.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 <i>Requirements: Joystick, color monitor.</i> | 5 1/4-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA, EGA or Hercules card, mouse or joystick.</i> | 3 1/2 and 5 1/4 | 256K | \$49.95 |

ACCOLADE

THE TRAIN: ESCAPE TO NORMANDY

ISPN 00543-740

Takes place during World War II with France's entire art collection in jeopardy being held on board a German war train.

THE TRAIN: ESCAPE TO NORMANDY takes place in August 1944. Occupied France is soon to be liberated by the advancing Allies. The German grip on Europe is crumbling and an evacuation of men, materials and plunder is under way. France's entire art collection is to be expropriated and shipped by rail to Berlin. The German hope is to hold the art treasure for ransom in the surrender negotiations. The French Underground Resistance Movement must 'take' the heavily guarded train in the main yards at Metz. The train contains works by Monet, Gauguin, Renoir, Picasso and Miro. Assistance will be available for deciphering the whistles, signals, lights and signs necessary to take the train to safety. Information from the underground movement will assist in track switching and support, although bombing and sabotage may have damaged the safety systems and track circuits. Contains a map showing the position of the bridges and German held stations as well as major and secondary roads and main yard stations.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Note: 3-1/2-inch disks are available for \$5.00.</i> | 5 1/4-inch disk | 256K | \$34.95 |

CINEMAWARE CORP.

THREE STOOGES (THE)

ISPN 12656-100

Moe, Larry and Curly stumble on a cruel-hearted banker who is about to evict a widow and her three daughters.

THREE STOOGES gives you a series of odd jobs to do in order to save the widow. Enter the prize ring, heave custard in a pie fight and engage in the medical madness of the 'Calling Dr. Howard, Dr. Fine, Dr. Howard' scene. A Stooges trivia quiz comes with the

game. Showcases the Stooges in arcade-quality graphics and animation. Recalls Stooge voices, digitized from old movies.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 768K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$49.95 |

Requirements: EGA.

FIRST ROW SOFTWARE PUBLISHING

TWILIGHT ZONE (THE)

ISPN 91839-750

Allows players to be the 'normal person thrust into fantastic situations'.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$29.95 |

PARAGON SOFTWARE CORP.

TWILIGHT'S RANSOM

ISPN 53429-100

Become Ron Mulligan, who must save his girlfriend from the weird characters populating a decaying metropolis.

TWILIGHT'S RANSOM's setting is Liberty City, where you work as a graphic artist and your pretty Salvadoran girlfriend, Maria, has been kidnapped. First you must discover who has kidnapped her and why. Then find out where she is being held, and devise a rescue plan. When the sun sets on Liberty City, the shadows release a collection of freaks, oddballs and outcasts that would make a circus side show jealous - watch where you look and where you go! Color graphic screens will help you visualize the streets and street trash of Liberty City. The package includes clue props, a picture disk and documentation.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$34.95 |

ORIGIN SYSTEMS, INC.

ULTIMA TRILOGY

ISPN 58793-700

Tells the captivating story of the struggles of Lord British's kingdoms with the forces of darkness and the Triad of Evil.

ULTIMA TRILOGY includes Ultima I, Ultima II and Exodus: Ultima III. Ultima I - The First Age of Darkness lets you battle the hordes of nightmarish creatures from Mondain, the Wizard's lair, that are stalking the kingdoms of Sosaria. Ultima II - The Revenge of the Enchantress allows you to enter the time doors and confront the unrelenting fury of Minax the Enchantress, Mondain's forgotten apprentice. In Exodus: Ultima III the Great

Earth Serpent has awakened from a slumber of ages. Only a party of adventurers can save Sosaria. A play book, reference guide and maps are included.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
 COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 1.0+
 IBM/MICROSOFT OS/2 1.0+

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk
 5 1/4-inch disk
 5 1/4-inch disk

MEMORY

64K
 64K
 256K
 256K

PRICE

\$59.95
 \$59.95
 \$59.95
 \$59.95

ORIGIN SYSTEMS, INC.

ULTIMA V-WARRIORS OF DESTINY

ISPN 58793-450

Enables the user to be a part of the Dark Ages. Comes complete with dungeons, mines, caverns, characters and more.

Features include 32 multi-level towns and an underworld equal in size to the entire realm of Britannia. The user is able to have conversations with the characters within the game. Visually displays day and night, maintaining time on a 24-hour clock. Includes astronomical movement of the sun, moon and planets. Sound effects include fountains, waterfalls, clocks and bards playing. The dungeons are drawn with detailed walls. Mines and caverns are drawn with graphic style. Characters in towns follow their own movement patterns during the day and night. In the morning many will get up and go to work, eat lunch at midday, go back to work, then go on to bed at night or whatever their lifestyle should indicate.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
 COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk
 5 1/4-inch disk

MEMORY

64K
 64K
 256K

PRICE

\$60.00
 \$60.00
 \$60.00

MINDSCAPE, INC.

UNINVITED

ISPN 54375-850

Take a trip through a demon-filled mansion where only the fearless can survive.

UNINVITED's forbidding world awaits your exploration. Allows mouse control. Plays realistic digitized sounds, displays sophisticated animation and puts commands on-screen. For additional information, please contact the software publisher.

SYSTEM

APPLE IIGS
 COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+
 APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk
 5 1/4-inch disk
 3 1/2-inch disk

MEMORY

512K
 64K
 512K
 512K

PRICE

\$49.95
 \$34.95
 \$39.95
 \$49.95

ELECTRONIC ARTS

WASTELAND

ISPN 28512-840

A post World War III role-playing adventure portrays odyssey through the vastness of the irradiated American Southwest.

WASTELAND lets you outwit and outgun the post World War III mutants, monsters and outlaws who make a nightmare of your odyssey. Fight with automatic weapons, howitzers, grenades, Uzis or your bare hands. Features top-down graphics and animated character screens. Allows up to seven characters in a party roster which can be split up for a tactical challenge.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$54.95 |

BRODERBUND SOFTWARE, INC.

WHERE IN THE WORLD IS CARMEN SANDIEGO?

ISPN 08850-701

Ages 10 and up: Solve the mystery, learn about geography and other cultures in an international chase.

WHERE IN THE WORLD IS CARMEN SANDIEGO? hands the priceless Royal Quartz collection of Kathmandu to a thief. It's up to you, armed with the accompanying World Almanac, to decipher the clues and track down the thief. Unearth clues, solve puzzles and track Carmen from country to country as superb graphics and animation bring the sights and scenes of foreign capitals to life. Includes ten suspects, 30 cities and nearly 1,600 clues. Provides a map and a copy of the World Almanac and Book of Facts. WHERE IN THE WORLD IS CARMEN SANDIEGO?'s school editors include a teacher's guide and a back-up disk. Lab packs include a teacher's guide and 5 disks.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: School edition.</i> | 5 1/4-inch disk | 64K | \$39.95 |
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: School edition.</i> | 5 1/4-inch disk | 64K | \$49.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$44.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$39.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: School edition.</i> | 3 1/2-inch disk | 512K | \$44.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: School edition.</i> | 3 1/2-inch disk | 512K | \$59.95 |

WALT DISNEY COMPUTER SOFTWARE, INC.

WHO FRAMED ROGER RABBIT?

ISPN 09137-850

Marvin the Gag King's will is missing. Judge Doom and his weasels will stop at nothing to prevent Roger Rabbit (you) from finding it.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Two disk drives.</i> | 5 1/4-inch disk | 128K | \$39.95 |
| COMMODORE 64/128 <i>Requirements: Two disk drives.</i> | 5 1/4-inch disk | 64K | \$29.95 |

SYSTEM

COMMODORE AMIGA 500, 1000, 2000

Requirements: Two disk drives.

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: Two disk drives.

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Two disk drives.***MEDIUM**

3 1/2-inch disk

5 1/4-inch disk

3 1/2-inch disk

MEMORY

512K

512K

512K

PRICE

\$44.95

\$39.95

\$39.95

BRODERBUND SOFTWARE, INC.**WIBARM****ISPN 08850-800**

An action role-playing game featuring high quality graphics combined with high speed action and puzzle solving.

WIBARM provides multiple levels of challenge through its role-playing puzzles, arcade action battle scenes and complex mazes. The Minister of Power, Dr. Bester, has suddenly disappeared and malignant monsters have seized Government City's orbiting power plant. Unless it is recaptured quickly, the plant will explode and pulverize the planet. An earlier strike force has failed to return. Now only one hope is left: You. You are Eizel Cloud, ace intergalactic investigator, and WIBARM is your most versatile weapon. It is an amazing mechanism you can transform into a huge armored robot, land cruiser or star jet. To achieve your goal, you must master its three-phase form, complex dual-level weapon system and psycho-link amplification. Desperately, you will race through city after city and finally far into space. Along the way, you will need to collect vital tools, keys and supplies as you solve crucial puzzles. Messages from the earlier expedition can give you hints and warnings. You will need all the help you can get because at each step of the way, you will be battling the most loathsome monsters the galaxy has ever seen. Features auto-mapping and 360 degrees scrolling, 32 maze-filled buildings, more than 30 gruesome monsters and ten different weapons. Includes user documentation with a hint section.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

256K

PRICE

\$39.95

SIR-TECH SOFTWARE, INC.**WIZARDRY I-PROVING GROUNDS OF THE MAD OVERLORD****ISPN 70750-400**

Your job is to create and assemble a diverse crew of adventurers to retrieve the amulet.

Proving grounds of the Mad Overlord is the first scenario. Starting in the castle, you assemble a party of six characters, each with their own characteristics to explore the magic mystery of the 10-level 3-D maze. Your characters may be one of five races and eight professions. Under your command your party will accumulate experience and treasures, slay dragons and foes, and prepare themselves for the final battle. Werdna, with the stolen Amulet, is waiting for your arrival to the dungeon depths. Can you retrieve the Amulet and live?

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

5 1/4-inch disk

MEMORY

48K

64K

PRICE

\$49.95

\$39.95

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 64K | \$59.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 3 1/2-inch disk | 64K | \$59.95 |
| APPLE MAC, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 128K | \$59.95 |

SIR-TECH SOFTWARE, INC.**WIZARDRY III-LEGACY OF LLYLGAMYN****ISPN 70750-550**

Find the elusive dragon called Lk'breath and save the kingdom of Llylgamyn.

WIZARDRY -- LEGACY OF LLYLGAMYN provides a maze-runner's dream of diversions, dilemmas and puzzles to capture your adventuring mind. You may even find yourself learning the Tarot to help resolve this 3-D adventure. For additional information, contact the software publisher.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 <i>Requirements: Wizardry-Proving Grounds of the Mad Overlord (ISPN 70750-400).</i> | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Wizardry-Proving Grounds of the Mad Overlord (ISPN 70750-400), CGA.</i> | 5 1/4-inch disk | 128K | \$49.95 |

SIR-TECH SOFTWARE, INC.**WIZARDRY IV-RETURN OF WERDNA****ISPN 70750-570**

A milestone in the development of computer recreation and a compelling masterpiece.

Remember Werdna, the evil sorcerer who was the goal of your adventure in PROVING GROUNDS? Well, now you are Werdna. And someone has swiped your amulet. You must get it back. Choose your favorite monsters and get ready to pursue your prize up through an incredible ten-level maze. It's like nothing you've ever encountered before. Each level is more difficult. Each has its own strange characteristics, clues and events. And the final three levels form an interlocking cube - a fiendish twist that will provide you with the ultimate mapping challenge.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$44.95 |

SIR-TECH SOFTWARE, INC.**WIZARDRY V-HEART OF THE MAELSTROM****ISPN 70750-580**

A stand-alone scenario in which you assemble a party of six characters to explore the mystery of the monstrous maze.

HEART OF THE MAELSTROM is the fifth scenario in the Wizardry gaming system, and is a stand-alone scenario. Starting in the Castle, you assemble a party of six characters, each with their own characteristics to explore the magic and mystery of the monstrous maze. Your characters may be one of five races and one of eight professions. Under

your command, your characters will dive to the depths of pools, talk and barter with interactive creatures, search for hidden items, unlock (or pick) doors and discover treasure beyond your wildest dreams. Ultimately, you must rescue the Gatekeeper who is trapped at the very center of a magical vortex deep within the caverns of the Maelstrom. His keeper, the Evil Sorn, waits for you with gleaming eyes and a hungry heart. HEART OF THE MAELSTROM is unlike any Wizardry scenario. It brings you to a world where fantasies unravel at your will, challenging puzzles abound and horrors unfold before your eyes. May Ye have the Heart to one day rule the Maelstrom.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT OS/2 1.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT OS/2 1.0+ | 3 1/2-inch disk | 256K | \$49.95 |

LUCASFILM LTD.

ZAK MCKRACKEN AND THE ALIEN MINDBENDERS

ISPN 45562-900

Provides the user with different characters to control in this game of mystery.

ZAK MCKRACKEN AND THE ALIEN MINDBENDERS provides the user with a complex mystery to solve. Produces graphically rich settings such as Seattle, Peru, Atlantis, Stonehenge, Zaire, Miami and more. Humor and surprises accompany the puzzles in this comedy/thriller game. Includes a full-size copy of the National Inquisitor, packed with hints, clues and laughs. There are four different characters for the user to control, each with a distinct personality and set of abilities.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$44.95 |
| ATARI 1040ST, 520ST | 3 1/2-inch disk | 512K | \$44.95 |

530 ENTERTAINMENT/ARCADE/SIMULATION

SIERRA ON-LINE, INC.

3D HELICOPTER

ISPN 69925-010

Fly the friendly skies of Los Angeles in a re-creation of a McDonnell/Douglas plane.

3D HELICOPTER starts you off with basic instruction in takeoff and landing at LAX. You then learn navigation in the skies above Paris. Finally, test your skills in a firefight against another opponent (computer or human), within the steel canyons of Manhattan. You can compete with others through a 1200 baud or greater modem hookup.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2-inch disk

MEMORY

256K

PRICE

\$49.95

ELECTRONIC ARTS**688 ATTACK SUB**

ISPN 28512-023

Allows players to take command of either a top secret Los Angeles class U.S. attack sub or the Soviet 'Alfa' submarine.

688 ATTACK SUB integrates 256 colors with 3-D graphics to give players both a visually realistic simulation and provides a naval experience that captures the feel of modern day conflict. As captain of the sub, players give orders to their crew members, who come to life in the form of digitized pictures. Lets players experience the actual dilemmas faced by modern submarine commanders. In peacetime, players hunt and dodge foreign subs while trying to avoid ambiguous gestures that could lead to a shooting match with an opponent - you walk the razor's edge between 'practicing' for war and actually starting one! As cold war turns into full war, players duel other hunter/killers to the death. Missions become increasingly more dangerous as you stalk ballistic missile submarines and execute bold attacks on enemy convoys and battle groups while protecting your own forces. Finally, you are ordered to make daring cruise missile strikes at inland nuclear facilities and fight a heavily-armed fleet in order to make your escape. Over 40 separate controls let players feel what it's like to operate the world's most sophisticated and deadly defense technology. In addition, crew transmissions and pictures remind you that you manage men as well as machines. The game also portrays the differences between U.S. and Soviet submarines; for instance, the Alfa is faster and can withstand greater depths, while the 688 is quieter and capable of holding a greater number and variety of weapons. Offers players a chance to face real human opponents over modem. 688 ATTACK SUB by modem is a game within a game; players can match wits on existing missions or design their own objectives and play endless games of superpower hide and seek. Actual human opponents represent the ultimate challenge in computer combat. In either case - against humans or computers - players must pit themselves against fleets of deadly submerged, surface, and airborne foes. Supports VGA and MCGA in 256 colors, EGA and Tandy in 16 colors, CGA in four colors and Hercules monochrome. Supports Ad Lib sound board and Covox Speech Thing.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

384K

PRICE

\$49.95

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2 and 5 1/4

384K

\$54.95

MINDSCAPE, INC.**720 DEGREES**

ISPN 54375-720

Takes players to Skate City where every available surface is a competitive arena, and survival of the fittest is a way of life.

In 720 DEGREES, skateboarders gather at Skate City to compete for cash, medals and the chance to become the Skateboard Champion of the World. Features multiple skill levels.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$29.95

DYNAMIX

A-10 TANK KILLER

ISPN 27278-100

Take command of the ugliest, most indestructible and devastating plane ever built, the A-10 Thunderbolt II.

A-10 TANK KILLER lets you fly through smoke-filled battlefields, ripping apart enemy tanks with your 30mm 'tank killing' cannon. Sustain damage that would cripple any other aircraft and laugh when your wing or engine gets blown off during battle. Intercept radio messages, get strategy tips from Jake, your co-pilot, and take your stomach on a roller-coaster ride it will never forget. All of this in unbelievably brilliant 256 color VGA. Provides visual heat through full VGA support. Send you on seven different missions, each one in tank-blowing solid-filled 3-D. Radio messages, crew talk and briefing/debriefing with your commanding officer all bring the reality and depth of game play to a new level. Provides complex HUD including laser guidance system, collision warning and smart target I.D. Includes an easy-to-use control system including auto-landing and take-off, automatic weapon selection and on-line help in the form of your co-pilot, Jake. Provides you with 26 different vehicles and targets, each with their own weapons and disposition.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$49.95 |
| <i>Requirements: 640K RAM for Tandy, CGA, VGA, EGA, MCGA.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$49.95 |
| <i>Requirements: 640K RAM for Tandy, CGA, VGA, EGA, MCGA.</i> | | | |

ELECTRONIC ARTS

ABRAMS BATTLE TANK

ISPN 28512-104

A realistic combat tank simulation which places players behind the controls of an M1A1 tank.

ABRAMS BATTLE TANK lets you control one of the world's most powerful on-land weapons systems. Powered by a 1,500 horsepower gas turbine engine and armed with a 120mm smooth bore cannon, the M1A1 is 63 tons of destructive power. Players experience all the shell-bursting heat of modern mechanized combat from the different perspectives of the tank commander, gunner, cupola, and driver. While roaming over a realistic 3-D countryside, special effects let players feel bumps in the road, the recoil of their gun, and the rounds deflected by their Chobham armor. Advanced weapon intelligence systems like Thermal Imaging Night Sighting and telescopic gunner sights with multi-level zooms keep enemies at bay. Modern tank warfare is realistically portrayed throughout the simulation and players experience remarkable maneuverability with an independently moving gun turret and tank treads that operate very smoothly in the heat of battle. While occupying the gunner's station, the player is responsible for acquiring, identifying, and firing on targets. Players can also 'go up top' to the cupola and view action through the hatch in the tank turret to get a better view, especially when looking out for airborne enemies. Although a single-player game, ABRAMS BATTLE TANK maintains a crew that includes the commanding officer, gunner, driver, and loader that serve as players' comrades in the fight for survival. In each mission, players must meet specific objectives in order to win their commander's praise - and ultimately World War III. After receiving orders, players choose one of eight missions to help stop the advance of Soviet troops into West Germany. As the Soviets advance, players seek out and destroy enemy bases near Siegen, reopen supply lines along the Nuremburg

Highway, and knock out command centers. The missions increase in danger as players are ordered to protect convoys from ambush, defend downed Allied units and halt Soviet invasions of the Rhineland. In every mission, players are certain to face waves of enemy armored, airborne, and infantry units.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 640K | \$44.95 |

ACCOLADE

ACE OF ACES

ISPN 00543-500

Make your computer the cockpit of a Mosquito fighter bomber as you help defeat the Nazis.

ACE OF ACES' instruments and intelligence reports give you the data. From there you must use it to get your famed British RAF 'Mosquito' fighter bomber back on the airfield, uninjured. Use intelligent reports, the plane's instruments and personal judgement for survival and success. Knock down buzz bombs over London. Sink a U-boat and bomb a supply dump without injuring GI's imprisoned next door. Experience exhilarating high altitude flights. Soon you'll know the gut wrenching pressure of enemy confrontation.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.95 |

Requirements: CGA or Hercules Graphics Adapter.

MICROPROSE SOFTWARE

AIRBORNE RANGER

ISPN 53025-040

Control one soldier's battle over the enemy odds as an Airborne Ranger charged with successfully completing 12 missions.

An arcade simulation which ranks success of missions by points. Provides easy to difficult skill levels. As the Airborne Ranger, the user must fly the aircraft over enemy terrain, drop supply pods, jump from the aircraft and complete a mission by infiltrating the enemy's headquarters. The supply pods include first aid, time bombs, knives and other armament. Allows user to walk, crawl or run through the three dimensional terrain or rest in a trench while awaiting enemy forces.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| <i>Requirements: 1541 or 1571 disk drive, joystick</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$44.95 |
| <i>Requirements: Graphics adapter.</i> | | | |

MINDSCAPE, INC.

ALIEN SYNDROME

ISPN 54375-107

With the aid of a variety of weapons you work your way through the maze of corridors, blasting slimy hordes to free the prisoners.

In ALIEN SYNDROME, from the moment you step aboard the alien-infested space ship to rescue its trapped crew, you are harassed and assaulted by increasingly terrifying creatures.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$29.95

BRODERBUND SOFTWARE, INC.

ANCIENT LAND OF YS

ISPN 08850-115

An evil wizard has seized the six Books of Ys and turned their power against the people. You must rescue the sacred volumes.

In ANCIENT LAND OF YS, the people of Ys need you. Dread and terror grip the ancient land. You'll be faced with battles, puzzles and mysteries at every turn. Complex fantasy role-playing is combined with split-second arcade action, gorgeous graphics and music to match every mood. There is no manual to memorize.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+
IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
3 1/2-inch disk

MEMORY

384K
384K

PRICE

\$44.95
\$44.95

SILICON BEACH SOFTWARE

APACHE STRIKE

ISPN 70237-110

You fly an attack helicopter through a maze of skyscrapers to evade enemy choppers and tanks and destroy deadly strategic computers.

APACHE STRIKE is an action game with 3-D animation. There are unlimited levels of difficulty and all action is controlled by the mouse. Make the chopper dive, climb, and take dangerous corners in a split second simply by moving your mouse forward, back, left and right. Your machine guns and missiles are controlled with the mouse button. The sounds of battle explode all around you, provided by Silicon Beach's RealSound digitized sound effects. You'll be riveted to your seat as your heart pounds and the tension mounts. Special versions for the Macintosh 512 and 512KE are available upon request.

SYSTEM

COMMODORE 64/128
IBM/MICROSOFT PC/MS-DOS 2.0+
APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

5 1/4-inch disk
5 1/4-inch disk
3 1/2-inch disk

MEMORY

64K
256K
1024K

PRICE

\$14.95
\$14.95
\$49.95

BRODERBUND SOFTWARE, INC.

ARCADE GAME CONSTRUCTION KIT

ISPN 08850-059

Provides a complete set of integrated tools for creating your own climbing, maze, and shoot-em-up style arcade games.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$29.95

TAITO SOFTWARE, INC.

ARKANOID

ISPN 79562-120

Fast paced energy is needed to break down the 33 barriers that stand between you and DOH, the destroyer of the universe.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$34.95 |
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$37.95 |

DATA EAST USA, INC.

BAD DUDES

ISPN 22515-095

The Dragon Ninja has kidnapped the President, and you must rescue him before a helicopter whisks him away to who knows where.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$39.95 |

LUCASFILM LTD.

BATTLEHAWKS 1942

ISPN 45562-100

Provides a pilot's eye perspective of historic Pacific Theater WWII battles. Fly American or Japanese planes in realistic battles.

BATTLEHAWKS 1942 provides six American and Japanese aircraft and over a dozen training missions. Earn promotions as missions are completed. The Congressional Medal of Honor or the Order of the Rising Sun and other awards are issued for completing objective and avoiding damage. Provides more than 30 combat missions. The owner's manual comes complete with Navy Archive photos, detailed history and full color maps of the battles, combat tactics and tips and observations by pilots from both sides.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 384K | \$49.95 |

SILICON BEACH SOFTWARE

BEYOND DARK CASTLE

ISPN 70237-015

A fast paced arcade style sequel to Dark Castle in which you control the hero as he battles his way through the castle again.

The eerie Dark Castle and its evil inhabitants are back to hound your hero in his quest for the Black Knight. You guide Prince Duncan as he races through the spooky chambers of the Castle in search of five magic orbs. The orbs are his only key to reaching the Black Knight and a cataclysmic showdown with the Black One. Zombie-like guards, pesky mutants, slimy snakes, and tough henchmen all seek to shorten Duncan's life span. Angry mosquitoes, birds of prey and flying monkeys attack from the air. The Prince also has a few new tricks, including bombs and a chopper-pack that allows him to fly from the slippery roof of the castle. Automatic scrolling is featured in two perplexing mazes, the Black Knight's chambers and the swamp and forest scenes outside the castle. As you move Duncan toward the edge of the picture, the entire screen scrolls to show more of the area. A special computer room enables you to save games in progress, but only after fighting your way back in!

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

Requirements: 800K disk drive.

MINDSCAPE, INC.

BLOCKBUSTER (VER. 1.0)

ISPN 54375-612

Deflect the bouncing ball to destroy the on-screen barricade, rack up points and advance to a new level.

BLOCKBUSTER may be like you - it has lots of things going on at once. You will deflect the bouncing ball to knock down the barrier, shoot aliens and try to catch falling tokens as well. The tokens will give you bonus points or a chance at nine special weapons - from magnets to lasers to missiles. Provides 80 different barriers, allows you to design up to 48 extra screens and displays a help screen with directions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |

ACCOLADE

BUBBLE GHOST

ISPN 00543-125

Test your skill as you direct a bubble-blowing ghost through a maze.

BUBBLE GHOST lets you move the fragile bubble from chamber to chamber, avoiding walls and burning candles. Stay away from fans, they'll create turbulence and aggravation. Watch for monsters, they will sabotage your efforts. Contains 36 hazard-filled chambers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 5 1/4-inch disk | 512K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.95 |

Requirements: Note: 3-1/2-inch disks are available for \$5.00.

ELECTRONIC ARTS

CAVEMAN UGH-LYMPICS

ISPN 28512-035

Players can portray any one of six Neanderthal athletes in six wild events during pre-historic Olympic Games.

Each Neanderthal athlete has personal strengths and weaknesses that set them apart. Each Ugh-Lympics event requires special skills and tricks. Learn the best bashing moves like the overhead smash and the knee swing to get high marks in the Clubbing event. You may even want to try the 'look-at-the-birdie-in-the-sky' trick. In Dino-Vaulting, a bad vault will mean lunch for a triceratop. In Sabertooth Tiger Racing you can even use unsportsmanlike conduct by tripping your opponent in this 'bite to the finish.' Win the gold by heaving your partner the furthest distance in the Mate Toss. Rub your sticks faster than fast to get a spark in Firemaking, but remember to duck when the competition tries clubbing your head. Finally, ride and bash your dinosaur to overtake the other caveman as you go head-to-head in the Dinosaur Race. Players may win Ugh-Lympic medals or earn the ultimate honor - induction into the Caves of Fame.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |

MEDIAGENIC/ACTIVISION ENTERTAINMENT

CHOP'N DROP

ISPN 48679-120

A gut-busting, karate action game where you have to face 2 computer controlled karate experts in a 40 round match.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| <i>Requirements: 1541, 1541c or 1571 disk drive.</i> | | | |

BRODERBUND SOFTWARE, INC.

CHOPLIFTER/DAVID'S MIDNIGHT MAGIC

ISPN 08850-060

Contains a realistic helicopter flight simulation on one side and an electronic pinball on the other side of the floppy disk.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$14.95 |
| <i>Requirements: Joystick.</i> | | | |

ELECTRONIC ARTS

CHUCK YEAGER'S ADVANCED FLIGHT TRAINER (VER. 2.0)

ISPN 28512-026

Test your flying skills with real and experimental aircraft at mach speeds.

CHUCK YEAGER'S ADVANCED FLIGHT TRAINER includes a 'Flying Insights' audio tape by Chuck Yeager. General Yeager shares several of his heroic flying experiences and he personally instructs you on your first flight. As you maneuver your plane in the air, all new terrain brings landmarks and obstacles to life. EGA graphics and a full VGA analog palette illustrate this in both day and night flying. Gives players eighteen aircraft to test-pilot, including the Space Shuttle and the real FY-117A Stealth Fighter. Features tackle racing on six race courses, including the famous Reno Unlimited. Compete against personal best flight or challenge a human opponent. Having an expert like General Yeager in the passenger seat gives players the experience of learning compared to the usual textbook method. Players fly wingtip to wingtip in jet fighters with the world-famous Thunderbirds and Blue Angels. Plus, players can view their flight from every possible camera angle and use special video effects to zoom in and get close-ups. Features Yeager's Six Day Flight School, where on-screen help lets players advance from the fundamental maneuvers to performing aerobatic stunts like aileron rolls and hammerhead turns. Yeager shows you how to perform each maneuver by showing you where to set your yoke, rudder and throttle. This helps players fly the Yeager way - the right way - and keep the airplane controls on the same settings as Yeager's.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$54.95 |

MINDSCAPE, INC.

CLUBHOUSE SPORTS

ISPN 54375-178

Includes six arcade-type sport games which are Foozball, Billiards, Skee-ball, Target Shoot, Pinball and Crazy Pool.

CLUBHOUSE SPORTS offers six, stand-alone sport games. Each game included in CLUBHOUSE SPORTS is a complete, high-quality game with multiple levels of play. Foozball, billiards, skeeball, crazy pool, pinball and a shooting gallery are true simulations. User can play a one-player game against the computer, a two-player game against a human opponent or watch the computer play itself. Users can choose from five skill levels for the computer.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |

CASADY & GREENE, INC.

CRYSTAL QUEST (VER. 2.2)

ISPN 11556-200

Players must collect all the crystals, while avoiding mines, bullets and 12 varieties of 'super-nasties.'

Has 300K of digitized sound. There are nasties that hide in corners and gush bullets like a hail storm. There are nasties that bob around quite harmlessly-unless you stay still-then come at you like a cruise missile. There are nasties that can't be killed, but just hibernate for a while when shot. It is a very nasty game! Can play with one or two players. Not multifinder compatible.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

Requirements: When ordering, specify 400K or 800K disk.

CASADY & GREENE, INC.

CRYSTAL QUEST WITH CRITTEREDITOR

ISPN 11556-201

Collect all the crystals and avoid all the mines, bullets and 12 varieties of super-nasties.

CRYSTAL QUEST WITH CRITTEREDITOR lets you create your own style arcade game. A hard disk is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$79.95 |

SILICON BEACH SOFTWARE

DARK CASTLE

ISPN 70237-010

A fast paced arcade-style action game in which you control the hero as he battles his way through the castle.

DARK CASTLE features Silicon Beach's renowned Real Sound. On screen movement is controlled through the use of seven keyboard commands and the mouse or a trackball is used for aiming and firing weapons. Game has four levels of play, beginner, intermediate, advanced and the secret fourth level.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |

Requirements: 800K disk drive.

BRODERBUND SOFTWARE, INC.

DARK HEART OF UUKRUL

ISPN 08850-205

You and your tiny band must vanquish the tyrant Uukrul, who holds the once-lovely city of Eriosthe in dark dominion.

In DARK HEART OF UUKRUL, you will have to be exceedingly clever as well as courageous. For Uukrul is literally heartless. To free himself from the material plane, he has actually detached his soul and hidden his heart deep in the mountain city's maze-like passages. To defeat him, you must find Uukrul's heart - made of darkest obsidian stone - and smash it in his savage presence. In your quest, you'll be armed with magic, prayers, spells and weapons. You'll be challenged at each step of the way by baffling puzzles, packs of ferocious monsters and by Uukrul himself.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |

DYNAMIX

DAVID WOLF: SECRET AGENT

ISPN 27278-200

As David Wolf, Secret Agent, you must recover a stolen stealth fighter, find a missing engineer and save the world.

DAVID WOLF: SECRET AGENT is a detailed and complex story that forms and changes according to your actions and decisions. Allows the user to fast forward through any sequence and to change difficulty level at any point in the game. Contains more than five distinct 3-D worlds complete with tropical islands, enemy fortresses, missile launching tanks, exploding jet planes, Uzi-equipped hang gliders, charging speedboats, high-speed car chases, freefalls at 15,000 feet and, of course, aerial combat in the advanced SF-2 Stealth Fighter. Provides full musical score with Roland MT-32 and AdLib music synthesizer support.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$49.95 |
| <i>Requirements: 640K RAM for tandy, VGA, MCGA, EGA, CGA.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$49.95 |
| <i>Requirements: 640K RAM for tandy, VGA, MCGA, EGA, CGA.</i> | | | |

EPYX, INC.

DEATH SWORD

ISPN 29575-205

Engage in head-to-head sword combat in the darkest of Dark Age settings.

DEATH SQUAD portrays mythic madness to the ultimate. Become a heroic warrior who must outfight barbaric guards and evil sorcerers that inhabit the medieval castles. To survive you must move swiftly, have keen instincts and exhibit brute strength against your fierce enemies.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$29.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 256K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$29.95 |

ELECTRONIC ARTS

DEMON STALKERS-THE RAID ON DOOMFANE

ISPN 28512-086

Contains an arcade dungeon adventure with top-down full scrolling mazes featuring rats, mad monks, whirling dervishes and snappers.

DEMON STALKERS: THE RAID ON DOOMFANE combines 100 levels of dungeon mazes and a construction set for creating your own, never-ending challenge of medieval mystery. In **DEMON STALKERS**, one or two players are faced with locating and battling the demon Calvrak whose evil has prevailed over the once peaceful realm. This objective is not easy, as Calvrak hides at the bottom of a 99 level catacomb guarded on every level by hordes of rats, snappers, dervishes, mad mages and ghosts. Players must solve each level in order, and at each level they are faced with a different goal and different obstacles. Each level is more intricate and more difficult than its predecessor, and there is no pattern to alert you to the type of foe you will encounter. Each level in **DEMON STALKERS** is filled with monsters continuously spewing from sewer grates. On each level you may be tempted to pick up keys, scrolls, chests, food, bells and magic aids. Your only problem is you never know when these may aid you in your success or your destruction. If players acquire enough health and strength points to conquer all 99 levels and locate four powerful weapons hidden among the vaults in the dungeons, they are rewarded with a fast-paced, graphic rich pay-off battle against Calvrak. Where most games would end at this point, **DEMON STALKERS** continues as the only dungeon

maze game with a complete construction set. The construction set is completely menu-driven and allows players to build their own dungeon game from scratch, modify any of the existing levels in the above mentioned game, or practice play any level. The construction set contains over 200 design options assuring no two levels will ever be alike.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$39.95 |

EPYX, INC.

DESTROYER

ISPN 29575-100

Take command of all or part of a Navy destroyer.

DESTROYER lets you see what it really takes to run a Navy destroyer. You will search for downed pilots, run interference for convoys or hunt for subs. When the enemy becomes really fierce, bring out your torpedoes, depth charges, radar and sonar. It's up to you, manage the entire ship or man a single station on deck. It's truly warfare on the high seas.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$19.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$19.95 |

ACCOLADE

DUEL: TEST DRIVE II

ISPN 00543-270

Pits two of the fastest production cars ever built in head-to-head road racing: the Ferrari F40 against the Porsche 959.

DUEL: TEST DRIVE II can be a race against the clock, or it can be a head-to-head race in which the Ferrari and Porsche compete. You may even race a car against a replica of itself. Competing with a computer controlled car, drivers will blast down roads filled with bone-dry deserts, majestic mountains and lush forests. General hazards of the road will also need to be avoided, such as on-coming traffic, rocks, loose gravel, potholes and oil slicks. With a cockpit perspective, drivers can feel the performance of these machines by exceeding speeds of 190 miles per hour on the open road. The ability to shift and steer at these speeds is essential for success, for if you crash, get a ticket from the dreaded police, run out of gas or blow an engine, you are penalized 20 seconds and risk getting passed by your opponent.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$44.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$44.95 |

MEDIAGENIC/ACTIVISION ENTERTAINMENT**F-14 TOMCAT****ISPN 48679-100**

Enlist in the Navy's pilot training program and work for a choice assignment on the USS Nimitz. Provides real-life flight simulation.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| <i>Requirements: 1541, 1541c or 1571 disk drives.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$44.95 |

MICROPROSE SOFTWARE**F-15 STRIKE EAGLE****ISPN 53025-111**

Destroy air and ground targets in the skies above Europe, the Middle East and Southeast Asia.

F-15 STRIKE EAGLE offers seven different combat missions, four skill levels and gives you the chance to prove you have the 'Right Stuff' of an Eagle fighter pilot. Out fight, out fly, and out think your enemies, or you'll wind up on their plates for lunch. You'll have all the sophisticated tools of modern electronic air warfare, including computer assisted targeting, Heads Up Display, airborne radar and ground tracking target display maps at your command. Employ air to air missiles, cannon, and high explosive bombs to accomplish your air defense and strategic deep interdiction bombing missions. ECM, afterburners, flares and a surface to air missile indicator will assist you in navigating the sky full of missiles you will be up against.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$39.95 |

MICROPROSE SOFTWARE**F-19 STEALTH FIGHTER****ISPN 53025-112**

Player pilots a top secret jet design on missions to potential troublespots throughout the world.

Using a plane believed to be part of the U.S. Air Force arsenal, the player of this simulation gains control of the combat fighter's electromagnetic-profile to evade enemy radar armed with lasers, missiles, rockets, and a cannon. Concealment is the weapon to be most concerned with as the plane is piloted to various areas from a tactical strike in Europe to an airfield attack in North Africa. The player is sent from aircraft carriers and land bases on hundreds of combat and reconnaissance missions over central Europe, the North Cape of Scandinavia, Libya and the Persian Gulf. Each of the four simulated regions measures 250 miles by 250 miles, and represents in detail the geo-political, economic and military situations a combat pilot could expect to find in the corresponding real-world area.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 <i>Requirements: 1541 or 1571 disk drive, joystick.</i> | 5 1/4-inch disk | 64K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA, EGA or VGA.</i> | 5 1/4-inch disk | 384K | \$69.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA, EGA or VGA.</i> | 3 1/2-inch disk | 384K | \$69.95 |

SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.**FALCON****ISPN 75175-390**

Dogfight with MIGs in an F16, one of the fastest, most maneuverable combat aircraft to roar off the blacktop.

FALCON gives you near-realism with digitized airplane images, sound, advanced radar and four alternating heads-up displays. For additional information, please contact the software publisher. Provides a linkup option and lets you go head-to-head with another opponent via a modem hookup.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 <i>Requirements: Kickstart 1.2 or above.</i> | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: MGA or CGA.</i> | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: Color monitor.</i> | 3 1/2-inch disk | 1024K | \$59.95 |
| ATARI 1040ST, 520ST <i>Requirements: Color monitor.</i> | 3 1/2-inch disk | 512K | \$49.95 |

SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.**FALCON-AT (VER. 1.0)****ISPN 75175-395**

Dogfight with MIGs in an F16, one of the fastest, most maneuverable combat aircraft to roar off the black top.

FALCON gives you near-realism with digitized airplane images, sound, advanced radar and four alternating heads-up displays. For additional information, please contact the software publisher. Provides a linkup option and lets you go head-to-head with another opponent via a modem hookup.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: EGA or VGA. 80286 or 80386 microprocessor.</i> | 3 1/2 and 5 1/4 | 512K | \$59.95 |

ELECTRONIC ARTS

FERRARI FORMULA ONE GRAND PRIX RACING

ISPN 28512-049

A detailed driving simulation that allows the player to get behind the wheel of a \$350,000 Ferrari F1/86.

Enables the player to race on authentic recreations of 16 international racecourses such as Monaco, Detroit, Monza and Brands Hatch. The player may choose to race on a favorite course at any time or take on the strategic challenge of recreating the entire 1986 Formula One season schedule. As the driver slides into the seat of the F1/86, he checks the vital stats: Tires, suspension, wing settings and turbo boost. Mauro, the computer crewchief, will offer his advice. Then, onto the track. The player chooses one of 16 different tracks, authentic down to scenery and accurate weather conditions, and buckles up against seven opponents, each modeled after top contenders in the 1986 Formula One circuit. The first-person perspective puts a detailed copy of the F1/86 dash in view, including twin rearview mirrors that show the competition. The driver chooses the length of the race, from ten kilometers to a full-length Grand Prix, and blasts into the first turn. This program puts the strategy of a full season Championship racing into the player's hands. In this world, the keys to success are consistency and survival. Injuries can cost the player races. He can test his car's performance in the Wind Tunnel or on the Dynometer. He must manage his time in Test and Practice sessions, and may choose to practice on a reproduction of Ferrari's Fiorano Test Track near Milan. During events, he faces split-second decisions about maintenance and repairs by the pit crew. Over the course of the season, he must race the entire 16-track schedule to accumulate points toward the Formula One Championship.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$39.95 |

MICROILLUSIONS

FIRE POWER

ISPN 50425-250

Rescue your men, capture the enemy flag and avoid the enemy's shells in this arcade tank battle.

FIRE POWER's helicopters will swarm over you as you try to capture the enemy flag and recapture your own men to return them to first-aid stations. You will pick 1 of 3 tanks - each differ from one another by construction, speed, mobility and the number of men they carry.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$24.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$24.95 |
| <i>Requirements: Joysticks.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$32.95 |

SUBLOGIC CORP.

FLIGHT SIMULATOR II

ISPN 76950-215

Puts you at the controls of a modern single-engine aircraft with full flight instrumentation.

FLIGHT SIMULATOR II will train you in everything from basic aircraft control through complex aerobatic flight maneuvers. And when you think you're ready, you can test your flying skills with the WORLD WAR I ACE aerial battle game. It simulates the instruments and flight characteristics of a Piper PA-28-181 Archer II, a single engine, 148 mph, non-retractable gear aircraft equipped with a good set of avionics (Atari ST and Amiga give a choice of Cessna 182 or Gates LearJet). Extensive flight controls and instrumentation appropriate to visual and instrument flight are included. This aircraft was chosen because it offers good performance yet is simple and easy to fly. High speed color-filled 3-D graphics are used to provide a spectacular view of the outside world. Ground terrain including mountains and water, runways, prominent features, and the horizon make even simple scenic flights a beautiful experience. Visual effects are very similar to those encountered in real flying. Going through clouds causes the view to become completely white. On clear days the sky is blue. Cloudy days result in a grey sky unless you break through the cloud layer to blue sky. FLIGHT SIMULATOR II lets you practice takeoffs and landings, in-flight maneuvers, even complicated aerobatics over realistic scenery. The program features over 80 airports in four scenery areas, New York, Chicago, Seattle, and Los Angeles, with additional scenery areas available separately. The potential flying environment encompasses the entire continental United States, with a resolution finer than 2.5 inches. Realistic flight instruments and sophisticated avionics are provided. Ground navigation facilities and aeronautical charts allow you to learn cross-country flying techniques as well as local arrival and departure procedures. Avionics include two VOR receivers, DME (distance measuring equipment), ADF (automatic direction finder), and complete ILS (instrument landing systems) receivers. Two manuals are included with the program to help you get the most out of the simulation - The Pilot's Operating Handbook and Flight Manual. Joystick is optional.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|----------------------|----------------------|---------------------|
| APPLE II, II +, IIC, IIE | 5 1/4-inch disk | 48K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |

SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.**GATO**

ISPN 75175-400

Captain a WWII attack sub in 3-D and real-time.

GATO gives you nuts and bolts submarine similarity, down to actual morse code messages. Trail, attack or dodge enemy ships in realistic offensive and defensive maneuvers. Offers nine levels of play and lets you tackle day and night missions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------------|----------------------|----------------------|---------------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$14.95 |

ACCOLADE

GRAND PRIX CIRCUIT

ISPN 00543-410

Experience the power and glamour of racing Formula One cars on the Grand Prix Circuit as you compete against world-class drivers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| <i>Requirements: Note: 3-1/2-inch disks are available for \$5.00.</i> | | | |

DATA EAST USA, INC.

GUERRILLA WAR

ISPN 22515-300

You must overthrow the cruel dictator, liberate the people and rescue your fellow guerrillas being held hostage.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$39.95 |

MILES COMPUTING, INC.

HARRIER STRIKE MISSION II

ISPN 54075-300

Simulates the flight of the Harrier JumpJet with flight combat, six scenarios and realistic 3-D action.

HARRIER STRIKE MISSION IN features the Harrier Jump Jet, a plane with V/STOL (Vertical/Short Take-Off and Landing) capabilities. Offers six missions where you battle against jets, tanks and boats. You also get to knock out enemy buildings and hangars. The Harrier armament includes cannons, Sidewinder missiles, rockets, bombs and torpedoes. Program is not copy protected. Comes on a 400K disk.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

MINDSCAPE, INC.

INDIANA JONES AND THE TEMPLE OF DOOM

ISPN 54375-420

Fight off Thuggee henchmen, cobras and bats as you attempt to free the imprisoned children, with only your bullwhip for protection.

INDIANA JONES AND THE TEMPLE OF DOOM prepares you for a desperate ride on a mine railway and a battle in the temple itself. You must fight your way through

treacherous caverns and twisting tunnels in an effort to rescue the enslaved children of Mayapore and recover the magical Sankara Stones. After recovering the three stones, your troubles are far from over. You must now successfully cross the perilous rope bridge and escape the Temple of Doom forever. Game provides three skill levels.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |

BOX OFFICE SOFTWARE

JAWS

ISPN 08327-200

You are Captain Quint, famed shark hunter, who must rid the beaches in a one-on-one battle with the great white shark.

JAWS takes you into a challenge of a lifetime. Risk unsurmountable odds as you assemble a small crew, load your fishing trawl, and head for the various ports where sharks have been sighted. At each port, trade your bounty for larger boats, more equipment and more manpower. Hone your skills to perfection as you become certified at the Diving and Weapons schools. Do whatever it takes to prepare your crew for combat with the mightiest great shark...JAWS.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$9.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$9.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$9.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$9.95 |

SUBLOGIC CORP.

JET (VER. 2.0)

ISPN 76950-315

Fly either an F-16 Flying Falcon or an F-18 Hornet in this high flying simulator.

JET's F-16 can pull a 9-G turn, or point its nose 90 degrees to the earth and accelerate straight up. The F-18 can lift right off a carrier deck with a full complement of bombs and missiles. You'll take one of these on a tour of hot spots, where you'll take on Mig-21's and 23's or targets on land and sea with all the modern weapons at your disposal - air-to-air and air-to-ground missiles, smart bombs and the M-61 machine gun. Your radar and tracking systems will give you ample warning of enemies. Just in case one creeps up on you though, you'll be able to trigger the functioning ejection seat and parachute to a safe landing. JET's radar display can be used to detect any enemy missiles fired at your aircraft. If you are hit, JET's ejection seat allows you to bail out, pop your parachute, and float safely back to earth where you will be given a new jet to fly back into combat. Lose three dog fighting jets and the mission is over. Missions include sightseeing, and landstrike with increasing difficulty levels. Equips your jet with a Heads Up Display. Shows airspeed, altitude, G-force, thrust and other status. Displays a 3-D environment in front, sides, rear and above.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

BRODERBUND SOFTWARE, INC.

JET FIGHTER: THE ADVENTURE

ISPN 08850-405

A first person, modern-day, jet fighter combat simulation and adventure.

In JET FIGHTER: THE ADVENTURE, the player accepts a tour of duty as a jet fighter pilot, qualified to fly a variety of fighter planes: F-14, F-16 and F-18, selectable by the user. The player must fly past anti-aircraft installations, Silkworm surface-to-air missiles and engage in dogfights with terrorist MIG's in order to achieve the mission goal. Includes over 30 missions. Features 3-D scene generation technology, modeling of realistic flight dynamics and aerodynamics handling qualities and real-time artificial intelligence for simulating enemy tactical behavior. Also features accurately modeled HUD (heads up display), choice of day or night missions and external camera angles. Includes a detailed user's manual with story line and quick-start manual.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+
IBM/MICROSOFT PC/MS-DOS 2.1+

MEDIUM

5 1/4-inch disk
3 1/2-inch disk

MEMORY

512K
512K

PRICE

\$49.95
\$49.95

DATA EAST USA, INC.

KARATE CHAMP

ISPN 22515-400

Retain the Karate championship title - choose from 30 possible moves.

KARATE CHAMP's moves are the skills you must master to beat your well-trained opponent. You'll need split-second reflexes and a mastery of lunges, kicks, spins, somersaults, foot sweeps, reverse blocks and defensive blocks. Gives you a choice of nine skill settings and three bonus screens. Allows one to two players. Based on real-life karate action and replicates exact arcade version.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
COMMODORE 64/128

MEDIUM

5 1/4-inch disk
5 1/4-inch disk

MEMORY

128K
64K

PRICE

\$9.95
\$9.95

DATA EAST USA, INC.

KARNOV

ISPN 22515-410

Karnov, the fire breathing Russian, is seeking the Lost Treasure of Babylon, but he must first defeat countless, bizarre enemies.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

512K

PRICE

\$39.95

DATA EAST USA, INC.

KUNG FU MASTER/KARATE CHAMP

ISPN 22515-500

Two of Data East's popular karate programs have now been combined for double arcade action.

KUNG FU MASTER/KARATE CHAMP challenges you to retain the karate championship title. You will match your skills and split-second reflexes against those of a friend or a computer controlled opponent. This program offers nine different settings and three bonus screens. Allows one or two players.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$9.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$9.95 |

SOFTWARE TOOLWORKS (THE)

LIFE & DEATH

ISPN 73950-400

You become a surgeon at Toolworks General Hospital and determine, with your skill, whether your patient lives or dies.

In LIFE & DEATH you can talk with your patient, read charts, order x-rays, ultrasounds and blood tests and other lab work. In the operating room, your skill with the scalpel while monitoring on-screen EKG, pulse, blood pressure and other vital signs will determine whether your patient goes to recovery or the morgue.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA, EGA or VGA.</i> | 3 1/2 and 5 1/4 | 512K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

XOR CORP.

LUNAR RESCUE (VER. 1.0)

ISPN 87125-401

The player searches for stolen control crystals that maintain the automated lunar defense network which has gone haywire.

LUNAR RESCUE combines graphic animation, unique game features and arcade-style sound effects. Unknown forces have stolen the five controlling crystals of ICE (Independent Computerized Ecosphere) that maintain the automated defense and life support supply for the moon's 26 domed cities. The Lunar defense system is out of control and all key commodities have been cut off. The Lunar Colony is in shambles. Your mission is to reestablish the ecological balance of the cities through trade to prevent the colony from dying out and to find the five missing ICE crystals needed to repair the Lunar Defense System. The United Nation Space Arm has commissioned U.S. trade stations to provide you with a fully operational cargo ship in exchange for U.S. currency. The ship has been outfitted for the mission with a full complement of space cannons, bombs, lasers, decoys and the the latest in defense shields. Warning- This is a crisis mission with the Lunar Defense System fully operational, but out of control. The system will fire on any moving vessel. Use extreme caution.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$59.95 |

MICROSOFT CORP.

MICROSOFT FLIGHT SIMULATOR (VER. 3.0)

ISPN 53150-356

The granddaddy of them all puts the stick of a Cessna 182 in your hands.

MICROSOFT FLIGHT SIMULATOR lets you begin in a learning mode if you have never used this noble and popular program. Once you've learned the fundamentals of flight control, move on to the more complex and sophisticated 'reality flight mode.' There you'll see extraordinary graphics that closely simulate actual pilot perspectives. If you still seek greater challenges, climb aboard a Microsoft Crop Duster or a Lear Jet. Meets FAA instrumentation regulations for day/night visual and instrumental flight conditions. Lets multiple users link together via modem. Drops four pull-down menus which control navigation, environment and communications. Allows a 3-D view with multiple windows.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$49.95

ATARI, INC.

MS PACMAN

ISPN 05750-630

The maze is more intricate, but the object is the same - eat the dots and avoid the monsters.

MS PACMAN may be better off than her relative (PacMan) - her enemies and mazes haven't gotten any easier though! Brings the excitement of the original to your PC.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 1.0+

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$19.95

Requirements: Joystick.

MEDIAGENIC/ACTIVISION ENTERTAINMENT

OCEAN RANGER

ISPN 48679-140

Do battle in 4 of the major military 'hot spots' encountering a non stop firestorm as a captain of a heavily armed missile ship.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$34.95

Requirements: 1541, 1541c or 1571 disk drive.

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

128K

\$14.95

MINDSCAPE, INC.

OUT RUN

ISPN 54375-511

With 4.4 liters under the hood, you're driving a beast of a machine only top drivers attempt to drive.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$34.95

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 <i>Requirements: Kickstart.</i> | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 512K | \$39.95 |

THUNDER MOUNTAIN, DIV. OF MINDSCAPE**PAC-MAN****ISPN 81712-441**

Guide dot-hungry Pac-Man through mazes to gobble up dots without getting gobbled by gruesome ghosts.

PAC-MAN's ghosts, mazes, and bonuses recreate the dot-eat-dot world of Pac-Man. Supplies the original arcade mazes.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$9.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$9.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$9.95 |

MINDSCAPE, INC.**PAPERBOY****ISPN 54375-505**

Get your papers in the doors before you lose your subscribers in a not-so-typical suburb.

PAPERBOY'S zany neighborhood characters and obstacles won't make your route an easy one. You can score sneaky bonuses by chucking papers through the windows of non-subscribers. You'll have to watch the cats, cars, workmen, lawnmowers and drunks that crop up on your route. The end of the day will bring a bonus round with additional challenges: The 'Paperboy Training Grounds' (a BMX style course with lots of targets to test your skill). Provides seven unique challenges which correspond to seven days of your delivery week.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| APPLE II | 5 1/4-inch disk | 48K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |
| ATARI 520ST | 3 1/2-inch disk | 512K | \$49.95 |

PUBLISHING INT'L.**PHARAOH'S REVENGE****ISPN 63743-602**

A fast-action computer game. Using a joystick or keyboard control you can play four game variations involving 200 mazes.

PHARAOH'S REVENGE includes a construction set feature that lets you create an infinite variety of mazes. Imagine you are an archaeologist, poking around a dark Egyptian pyramid. In the course of attempting to escape from one of a countless number of deep tunnels, you are trying to rest a ladder against some ancient bricks

when the ghostly remains of a pharaoh's mummy rise to block the way. That is the story of PHARAOH'S REVENGE, an old fashioned arcade game that surprised me it is fun to play. PHARAOH'S REVENGE combines strategy, tactics and manual dexterity. You expect to have to coordinate your hand on the joystick with your eyes on the screen in an arcade game. PHARAOH'S REVENGE meets your expectations: Split-second timing and precise placement of your archaeologist are the tricks that will beat the mummy. There is no best strategy. The best tactic is to put ladders up in more than one place; that way you have somewhere to hide from the evil mummy.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |

ELECTRONIC ARTS

PINBALL CONSTRUCTION SET

ISPN 28512-085

Be a pinball wizard on a machine you design, or play on one of five provided.

PINBALL CONSTRUCTION SET lets you play one of the five games or allows you to make up your own game. Take a screwdriver and pliers to wire the game, a paintbrush and magnifying glass to add color and pick from a range of 24 working parts that include bumpers, chutes and flippers big enough to make even Tommy sweat. Copy your best games and give them to friends. Use eight icon-driven commands to change game characteristics. Paint the board with any of eight color palettes.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 128K | \$14.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 128K | \$19.95 |

MICROPROSE SOFTWARE

PIRATES

ISPN 53025-590

Use your skills as a sailor, swordsman, merchant and captain as you relive the era of the buccaneer.

PIRATES gives you everything but the smell of the tar in this adventure role-playing simulation. As a privateer, you'll search the Caribbean for ships and cities to plunder. Sharpen your cutlass before you attack a Spanish galleon, and guard your purse when you venture into a foreign port. You'll engage in all the arts of the privateer - sea and land battles, fencing, trading, negotiating and romance - as you savor the triumphs of a life spent on the bounding main. Portrays the Spanish Main with a map of the Caribbean. Shows over 70 scenes and pictures in the course of the game and contains multiple scenarios to ensure more challenge.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 128K | \$44.95 |
| APPLE IIGS <i>Requirements: Joystick.</i> | 3 1/2-inch disk | 256K | \$44.95 |
| COMMODORE 64/128 <i>Requirements: CGA or EGA.</i> | 5 1/4-inch disk | 64K | \$44.95 |

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA or EGA.</i> | 5 1/4-inch disk | 256K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$44.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 256K | \$59.95 |

DATA EAST USA, INC.**PLATOON****ISPN 22515-570**

Lead your platoon into the jungles, villages, bunkers, foxholes and underground tunnels of war-torn Vietnam.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$39.95 |
| ATARI 1040ST, 520ST | 3 1/2-inch disk | 512K | \$39.95 |

MEDIAGENIC/ACTIVISION ENTERTAINMENT**RAMPAGE****ISPN 48679-400**

Players control a giant gorilla, a lizard or a wolf on a rampage of destruction from coast to coast. For one or two players.

RAMPAGE's first question may be its most difficult - with which creature do you prefer to dine? George the Ape styles himself after famed ape of the silver screen, but has no soft spot for blondes. George doesn't just climb buildings - he eats them too. Lizzie the Lizard possesses razor-sharp teeth which are flossed using the cables from the Golden Gate Bridge. Ralph the Wolf doesn't wear sheep's clothing because it would take 5000 sheep to fit him. He dines on choppers and trolleys, not mutton. As one of these adorable, oversized pets you must climb skyscrapers, swat choppers, step on soldiers, smash tanks, and eat bystanders. As time runs out on you, you shrink into a tiny person, able to be devoured by the other monsters. Provides color graphics and arcade sound. Contains 157 different cities to wreck.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$34.95 |
| APPLE IIGS | 3 1/2-inch disk | 512K | \$34.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 128K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$39.95 |

BOX OFFICE SOFTWARE**RINGLING BROS. AND BARNUM & BAILEY CIRCUS GAMES****ISPN 08327-700**

Step Right Up, Come One, Come All - the Greatest Show on Earth will challenge you to master events and enter International Competition.

RINGLING BROS. AND BARNUM & BAILEY CIRCUS GAMES challenges you to attempt the 'High Wire' - do flips, cartwheels, and hand stands, then try the unicycle. Try your hand at 'Trick Horse Riding' - attempt flips and other crowd stirring feats. For those with a real spirit of adventure, 'Tiger Taming' dares you to face the fierce Bengal Tigers. Make them stand on their podiums, walk through an obstacle course, and jump through flaming hoops. Skill and judgment will be vital when you tackle the 'Trapeze' - you may discover that you're a real high flyer. When you feel you have mastered the events, enter the International Competition and be judged against the world's greatest. Features superb graphics, sound and game play.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
 COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+
 IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk
 5 1/4-inch disk
 3 1/2-inch disk

MEMORY

64K
 64K
 256K
 256K

PRICE

\$29.95
 \$29.95
 \$29.95
 \$29.95

XOR CORP.**ROAD RACER (VER. 1.0)****ISP# 87125-600**

A high performance 1965 Corvette graphic simulation, driving through five environments from deserts to mountain roads.

ROAD RACER provides high-speed realism with detailed sounds and graphics. Features spectacular scenery, obstacles, and crashes, as you fly over hills and around the curves at up to 200 miles per hour. You steer and accelerate with the mouse and use the keyboard for brakes and shifting. Observe your position on the map, and check your oil pressure, water temperature and fuel gauges. Your tach tickles the red line and your speedometer fires to life as your thundering 350 horsepower engine revs. Outside, the hills, trees, rocks, telephone poles, and many other graphics fly past you at dizzying speeds. Your tires scream as you corner at breakneck speeds around wicked curves. You can almost feel your heart fly up into your throat as you barrel over the hills. Progressing through deserts, plains, farmland, forests, and mountains, you have five minutes to drive through each ten mile long environment. You score points for fast, skillful driving. Each level is tougher than the last, with unpredictable road hazards and many different courses to travel. Has ultra-high speed digitized graphics.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

1024K

PRICE

\$69.95

MINDSCAPE, INC.**ROAD RAIDER****ISP# 54375-600**

As a futuristic bounty hunter chasing Dr. A. Noid, you face seemingly insurmountable obstacles in this action-packed adventure.

ROAD RAIDER puts you in the middle of the Great Biological Holocaust, fighting to survive. Whole populations are hopelessly addicted to a lethargy-inducing foodstuff which has contaminated all but one city. In your quest to prevent this evil guy from tainting your town with toxins, you embark on a search and destroy mission in your ATV, battling crazy rebel cars and armies of slimy mutants.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 <i>Requirements: Kickstart.</i> | 3 1/2-inch disk | 512K | \$49.95 |

MINDSCAPE, INC.**ROAD RUNNER****ISPN 54375-410**

Dodge oncoming trucks, falling boulders, land mines and cannon balls while keeping one step ahead of Wile E. Coyote.

As the ROAD RUNNER, you must outrun and outsmart the wily coyote. To gain points you must pick up energy-boosting bird seed along the road. Staying ahead of the coyote is only half of the challenge as you race along the winding desert roads. You must also avoid the never-ending supply of obstacles and traps set by the crafty critter. Based on the authentic Atari arcade classic. A quick 'Beep Beep' and the Road Runner is off! The fast-moving cartoon character races through mazes and across ravines with Wile E. Coyote hot on his heels. Whether Wile E. is on his flying Jet-Pac, his rocket, or his pogo stick, he is never at a loss for new and creative modes of transportation. Each increasingly difficult level of play offers players different, sneaky tricks by the coyote.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |

DATA EAST USA, INC.**ROBOCOP****ISPN 22515-599**

You are Robocop, a cyborg programmed to stop the sadistic crime wave sweeping through old Detroit.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |

CINEMAWARE CORP.**ROCKET RANGER****ISPN 12656-200**

Only you can stop the interplanetary spread of jet-propelled Nazi facism.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 768K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$49.95 |
| <i>Requirements: EGA.</i> | | | |

KONAMI, INC.

RUSH'N ATTACK

ISPN 93345-800

You have only a knife - you must free POW's hidden in an enemy camp.

RUSH'N ATTACK guarantees that knives won't be the only weapons pointed at you during your mission. You must pick off guerillas and grab their flame-throwers and bazookas before the chopper fleet and the enemy battalion descend on you. Allows two to play simultaneously against the computer or one player.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |

SUBLOGIC CORP.

SCENERY DISK 1 DALLAS-FORT WORTH-HOUSTON

ISPN 76950-502

Take a trip over the Dallas/Fort Worth/Houston area with your flight simulator.

SCENERY DISK 1 DALLAS-FT. WORTH-HOUSTON includes the major airports, cities, highways, rivers, lakes and mountains located in this region. The disk covers three aeronautical sectional maps. Includes 100 airfields and 100 navigation aids on a sectional chart. Includes topographical information and obstacles for navigation. SCENERY DISK 1 DALLAS-FORT WORTH-HOUSTON must be used with Microsoft Flight Simulator (ISPN 53150-356), Jet (ISPN 76950-315) or Flight Simulator II (ISPN 76950-215).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| <i>Requirements: Flight Simulator II (ISPN 76950-215), Jet (ISPN 76950-315) or Stealth Mission (ISPN 76950-100).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$19.95 |
| <i>Requirements: Microsoft Flight Simulator (ISPN 53150-356) or Jet (ISPN 76950-315).</i> | | | |

SUBLOGIC CORP.

SCENERY DISK 4 KLAMATH FALLS-SEATTLE-GREAT FALLS

ISPN 76950-508

Take a trip over the Klamath Falls/Seattle/Great Falls area with your flight simulator.

SCENERY DISK 4 KLAMATH FALLS-SEATTLE-GREAT FALLS includes the major airports, cities, highways, rivers, lakes and mountains located in this region. The disk covers three aeronautical sectional maps. Includes 100 airfields and 100 navigation aids on a sectional chart. Includes topographical information and obstacles for navigation. SCENERY DISK 4 KLAMATH FALLS-SEATTLE-GREAT FALLS must be used with Microsoft Flight Simulator (ISPN 53150-356), Jet (ISPN 76950-315) or Flight Simulator II (ISPN 76950-215).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| <i>Requirements: Flight Simulator II (ISPN 76950-215), Jet (ISPN 76950-315) or Stealth Mission (ISPN 76950-100).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$19.95 |
| <i>Requirements: Microsoft Flight Simulator (ISPN 53150-356) or Jet (ISPN 76950-315).</i> | | | |

SUBLOGIC CORP.**SCENERY DISK 5 DENVER-CHEYENNE-SALT LAKE CITY****ISPN 76950-510**

Take a trip over the Denver/Cheyenne/Salt Lake City area with your flight simulator.

SCENERY DISK 5 DENVER-CHEYENNE-SALT LAKE CITY includes the major airports, cities, highways, rivers, lakes and mountains located in this region. The disk covers three aeronautical sectional maps. Includes 100 airfields and 100 navigation aids on a sectional chart. Includes topographical information and obstacles for navigation. SCENERY DISK 5 DENVER-CHEYENNE-SALT LAKE CITY must be used with Microsoft Flight Simulator (ISPN 53150-356), Jet (ISPN 76950-315) or Flight Simulator II (ISPN 76950-215).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| <i>Requirements: Flight Simulator II (ISPN 76950-215), Jet (ISPN 76950-315) or Stealth Mission (ISPN 76950-100).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$19.95 |
| <i>Requirements: Microsoft Flight Simulator (ISPN 53150-356) or Jet (ISPN 76950-315).</i> | | | |

SUBLOGIC CORP.**SCENERY DISK 9 ST LOUIS-CHICAGO-CINCINNATI****ISPN 76950-518**

Take a trip over the St Louis/Chicago/Cincinnati area with your flight simulator.

SCENERY DISK 9 ST. LOUIS-CHICAGO-CINCINNATI includes the major airports, cities, highways, rivers, lakes and mountains located in this region. The disk covers three aeronautical sectional maps. Includes 100 airfields and 100 navigation aids on a sectional chart. Includes topographical information and obstacles for navigation. SCENERY DISK 9 ST LOUIS-CHICAGO-CINCINNATI must be used with Microsoft Flight Simulator (ISPN 53150-356), Jet (ISPN 76950-315) or Flight Simulator II (ISPN 76950-215).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$19.95 |
| <i>Requirements: Microsoft Flight Simulator (ISPN 53150-356) or Jet (ISPN 76950-315).</i> | | | |

SUBLOGIC CORP.**SCENERY DISK-WESTERN EUROPEAN TOUR****ISPN 76950-102**

Take an aerial excursion of England, France, West Germany and more.

SCENERY DISK-WESTERN EUROPEAN TOUR's lets you view scenes from London, Paris, Munich, Nuremburg, Moscow and more. Details don't stop with the cities and sights listed above. For example, if you fly at night above London, the building and street lights illuminate it in the glimmering darkness. Shows highways, railways, canals, rivers, lakes and mountains. These and other nice touches make Sublogic programs like Flight Simulator II (ISP#N 76950-215), Microsoft Flight Simulator (ISP#N 53150-356), Jet (ISP#N 76950-315) and Stealth Mission (ISP#N 76950-100) even more exciting for you to use.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| <i>Requirements: Flight Simulator II (ISP#N 76950-215), Jet (ISP#N 76950-315) or Stealth Mission (ISP#N 76950-100).</i> | | | |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$29.95 |
| <i>Requirements: Flight Simulator II (ISP#N 76950-215) or Jet (ISP#N 76950-315).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$29.95 |
| <i>Requirements: Microsoft Flight Simulator (ISP#N 53150-356) or Jet (ISP#N 76950-315).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$29.95 |
| <i>Requirements: Microsoft Flight Simulator (ISP#N 53150-356) or Jet (ISP#N 76950-315).</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$29.95 |
| <i>Requirements: Flight Simulator II (ISP#N 76950-215) or Jet (ISP#N 76950-315).</i> | | | |

INTRACORP, INC.

SEARCH FOR THE TITANIC (VER. 1.1)

ISP#N 40531-715

Oceanographic simulation that allows the user to experience the excitement of underwater exploration and discovery.

SEARCH FOR THE TITANIC allows you to experience the challenges and dangers, the excitement and reality of scientific underwater exploration. SEARCH FOR THE TITANIC was reviewed for authenticity by the staff of the Woods Hole Oceanographic Institution, the organization that first discovered and photographed the Titanic wreck. Each expedition has two phases: Planning and organizing your expedition; and navigating to the wreck site, locating and exploring a lost vessel while battling the elements and managing the dive. Provides over 75 wrecks to explore, 47 different ports of call and over 100 navigational maps. Uses actual digitized photographs of the Titanic as it sits on the ocean floor today with realistic weather patterns and currents. Features weather radar, sophisticated sonar, magnetometers, minisubs and more, as well as real-time action with 'time warp'.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| <i>Requirements: CGA, EGA or VGA.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

BRODERBUND SOFTWARE, INC.

SHUFFLEPUCK CAFE

ISP#N 08850-750

Simulation of air hockey that pits the player against nine opponents, each with their own personality and skills.

SHUFFLEPUCK CAFE provides detailed graphics. Opponents have intelligence, changing their game as you play. Has digitized sounds and fully adjustable game features like paddle size, bounce, and hit strength. Users may create their own character options.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$39.95 |

MICROPROSE SOFTWARE

SILENT SERVICE

ISPN 53025-600

Engage in WWII submarine combat in the Southwest Pacific.

SILENT SERVICE puts you at the bridge of a near-authentic WWII sub. You'll have all the critical battle stations, from the conning tower to the engine room. You will confront decisions faced by Pacific sub commanders in a variety of historic scenarios- is a submerged daylight periscope attack best, or do you charge the surface at night using radar? Do you fire a spread of torpedos, or close in range and pick off a ship with a single shot? Provides a range of reality levels and automatic time scaling. Offers a wide selection of historical scenarios. Scenarios range from individual attacks to multi-patrol missions.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 48K | \$39.95 |
| APPLE IIGS <i>Requirements: Joystick.</i> | 3 1/2-inch disk | 48K | \$39.95 |
| COMMODORE 64/128 <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA or EGA.</i> | 3 1/2-inch disk | 128K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA or EGA.</i> | 5 1/4-inch disk | 128K | \$39.95 |
| ATARI 1040ST, 520ST | 3 1/2-inch disk | 512K | \$39.95 |

SIERRA ON-LINE, INC.

SILPHEED

ISPN 69925-537

Begin with a quote from Shakespeare and become the super dogfighter of the planet.

SILPHEED, a deadly space craft, can't be piloted by just anyone - are you the one to guide it and destroy the fortresses belonging to Xacalite, the hideous leader of the Anti-United universe? Increase Silpheed's strength by acquiring extra weapons and power as you conquer the fortresses. Program offers 20 levels of action and 30 enemy types. Also plays nine original musical scores.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$34.95 |

Requirements: Color monitor.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$34.95 |
| <i>Requirements: Color monitor.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$34.95 |
| ATARI 1040ST, 520ST | 3 1/2-inch disk | 512K | \$34.95 |

MAXIS SOFTWARE, INC.**SIMCITY****ISPN 47900-710**

Enter SimCity, take charge of an evolving, growing city and become both mayor and city planner of a dynamic real-time simulation.

With SIMCITY, you can design and build the city of your dreams. Collect taxes, design mass transit and hire police. Build houses, stores, factories - even nuclear power plants or a football stadium. You have the power to manage every aspect of your city. Create an urban utopia or turn city life into a nightmare. You can raise taxes, bulldoze entire neighborhoods, manipulate property values and even cause tornadoes, earthquakes, floods and fires. Your city will be populated by Sims - simulated human beings. Like their human counterparts, they let City Hall know when they're unhappy. If they get too indignant, they move away. If that happens, tax revenues plummet and the city shrinks. You could be left broke, mayor of a ghost town. SIMCITY gives you the keys to the city. The rest is up to you.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$49.95 |
| <i>Requirements: Joystick.</i> | | | |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 1024K | \$44.95 |
| <i>Requirements: 800K disk drive.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |
| <i>Requirements: 800K disk drive.</i> | | | |

ELECTRONIC ARTS**SKATE OR DIE****ISPN 28512-102**

A skateboard simulation in which up to eight players can choose to participate in five wild events.

Set records on the ramp high jump. Show off fakies, ollies, hand plants, 720's, aerials and rail slides on the freestyle ramp. Race over, under and through drainpipes, gravel and grates for speed and points on the downhill course. Challenge a friend in a pool joust or take the streetstyle act to the inner city. Includes freestyle ramp, downhill and high jump ramp pro events.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 384K | \$39.95 |

MINDSCAPE, INC.

SPACE HARRIER

ISPN 54375-702

You are Harrier, the extra-terrestrial warrior. Space is your battlefield.

In SPACE HARRIER, your mission is to save the Land of Dragons from the vicious followers of the vile one-eyed mammoth.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 512K | \$39.95 |

INTERSTEL CORP.

STAR FLEET II-KRELLAN COMMANDER

ISPN 21751-805

Enables player to explore and conquer 35 galactic regions, 1,700 star systems and 1,000 planets.

STAR FLEET II-KRELLAN COMMANDER a sequel to Starfleet I. As an experienced Alliance commander, the user is put at the helm of an enemy Krellan ship through simulation. Negotiate with natives by beaming-down. Destroy entire worlds with one command. Lead a fleet with a million warriors. Features real-time movement, dozens of commands, seven ranks and difficulty levels and more than ten kinds of starships.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$59.95 |

BRODERBUND SOFTWARE, INC.

STAR WARS

ISPN 08850-760

Your goal is to reach Darth Vader's fortress, blast your way past laser towers and defeat Tie-Fighters to destroy the Death Star.

You will have a high-velocity three dimensional view from the cockpit of your X-Wing Fighter. Includes three separate scenarios. The first scenario is a dogfight with enemy Tie-Fighters. The second scenario is a flight through a multitude of attacking laser towers. The third scenario is a dive down the trench to try to hit the exhaust port of the Death Star. Comes with sound effects and color wire-frame graphics.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$39.95 |

ELECTRONIC ARTS

STARFLIGHT

ISPN 28512-175

Explore the planet. Trade, talk and fight with alien races, and while you're at it, save the universe.

STARFLIGHT lets you collect a crew of humans, androids, reptiles and plants to course the galaxy in this outer space fantasy. Explore the languages, histories, and cultures of the other members of the universe. Explore 270 star systems, each in 3-D color. Encounter seven different races. Game includes full-color star map and security decoder. STARFLIGHT is not copy protected.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |

WEEKLY READER SOFTWARE/OPTIMUM RESOURCE, INC.

STICKYBEAR BOP

ISPN 58655-175

Contains an animated, full-color shooting gallery of Stickybears, ducks, planets, and balloons.

Also includes juggling Stickybears and hot air balloons dropping sandbags on you. This game of skill and strategy is perfect for the whole family. Children love the bright, lively pictures and sound in the first rounds. Grown-ups are challenged by the expert skills needed to survive to the final rounds. Includes a disk, plus a pop-up game, full-color poster, user's guide, stickers and a binder. A color monitor is recommended. School lab pack includes five disks and one instruction manual.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |

ELECTRONIC ARTS

STRIKE FLEET

ISPN 28512-103

In this naval task force simulator the user builds and commands an entire battle fleet with advanced anti-sub weapons.

STRIKE FLEET is a naval battle simulation which lets user command one of 20 types of ships or command an entire fleet. Head off Soviet Krivak frigates and alpha subs in the North Sea and defend the USS Stark against Iraqi planes and Iranian gunboats. Advanced anti-sub weapons include Tomahawk missiles, Phalanx anti-missile systems, anti-aircraft missiles, torpedoes and deck cannons. Build a custom fleet of Aegis/Ticonderoga class cruisers, OHP class frigates, SeaHawk helicopters and Orion sub-hunting planes.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE | 5 1/4-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 384K | \$44.95 |

EPYX, INC.

SUB BATTLE SIMULATOR

ISPN 29575-668

Direct six United States or German subs in the Atlantic or Pacific oceans during World War II.

SUB BATTLE SIMULATOR dares you to survive every aspect of underwater warfare. You will ram destroyers, navigate the ship, watch the weather, order repairs and avoid depth charges. Choose one of 60 different missions based on actual scenarios.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$19.95 |
| APPLE IIGS | 5 1/4-inch disk | 512K | \$19.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$19.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

EPYX, INC.

SUMMER GAMES II

ISPN 29575-730

Compete against the computer or friends in kayaking, cycling, fencing, diving and other events.

SUMMER GAMES II gives you not only the realistic animation of the events (which include track, gymnastics and equestrian events as well), but it also covers opening ceremonies and awards. You can pick one of many countries that you would like to represent. Allows one to eight players. Supports joystick control.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| <i>Requirements: Joysticks.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$19.95 |
| <i>Requirements: Joysticks.</i> | | | |

BRODERBUND SOFTWARE, INC.

SUPERBIKE CHALLENGE

ISPN 08850-150

Ages 8 to adult: Race your superbike on the world's most famous Grand Prix courses.

SUPERBIKE CHALLENGE contains 12 authentic International Grand Prix courses. Steer near the red-line against four to six computer-controlled superbikes on the Salzburgring, the Silverstone of Great Britain, the Spa or nine other courses. Allows one or two players. Provides three levels of challenge: Novice, intermediate and advanced. Breaks between races with a save feature.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| <i>Requirements: Joystick, color monitor.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$19.95 |
| <i>Requirements: CGA.</i> | | | |

ACCOLADE

SUPERCARS

ISPN 00543-715

An add-on package to Test Drive II which allows the player to race additional production cars, including the Porsche 911 RUF.

SUPERCARS provides Test Drive II (ISPN 00543-270) owners with the newest models of production cars, including the '88 Lotus Turbo Esprit, the Ferrari Testarossa, the '88 Lamborghini Countach 5000S and the '89 Corvette ZRI.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$14.95 |
| <i>Requirements: Duel: Test Drive II (ISPN 00543-270).</i> | | | |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$19.95 |
| <i>Requirements: Duel: Test Drive II (ISPN 00543-270).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$19.95 |
| <i>Requirements: Duel: Test Drive II (ISPN 00543-270).</i> | | | |

SIERRA ON-LINE, INC.

THEXDER

ISPN 69925-405

Pilot the Thexder robot/jet assault vehicle on a mission that no-one has yet survived.

THEXDER's quick-change ability allows you to transform your crate from a jet to a robot at the touch of a button. You will scour vast underground caverns, cargo holds and spaceship holds in your quest to destroy the master computer who inhabits the deepest level. Mazes, booby traps, and dead ends will strain your shields and enemy creatures will drain your high energy lasers. The program includes 16 levels and more than 20 alien creature types.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$34.95 |
| APPLE IIGS | 3 1/2-inch disk | 48K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 64K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$34.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

SUBLOGIC CORP.

THUNDERCHOPPER

ISPN 76950-600

Perform combat, rescue or exploration missions with your light attack helicopter.

THUNDERCHOPPER's realistic 3-D scenery and airborne threats give you the feeling that you're looking at a real helicopter control panel. Relive pre-programmed historical situations to see how your strategies and abilities compare to those of real chopper pilots. Advanced instruments such as a forward viewing infra-red, a CO2 laser radar system, a zoom TV and ECM are included. Excitement continues when you use THUNDERCHOPPER's sophisticated weapons(TOW, Stinger missiles, Hughes Chain gun and Zuni missiles).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+
IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2-inch disk
5 1/4-inch disk

MEMORY

256K
256K

PRICE

\$39.95
\$39.95

DATASOFT/INTELLICREATIONS, INC.

TOMAHAWK

ISPN 23850-300

Test your instincts, reflexes and nerves in the cockpit of the Apache helicopter. Move in 3-D and real-time graphics.

TOMAHAWK has one mission for the Apache AH64A helicopter, the deadliest chopper in the sky, and that is to seek and destroy everything that stands in its way. Aircraft, tanks, artillery and even buildings will be demolished. Fight in daylight or nightsight. Strike offensively or maneuver defensively.

SYSTEM

APPLE IIGS

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$39.95

INTRACORP, INC.

TRUMP CASTLE, THE ULTIMATE GAMBLING SIMULATION

ISPN 40531-712

Simulates six popular casino games including roulette, craps, keno, poker and blackjack. Includes coupons for use at Trump Castle.

TRUMP CASTLE simulates nine different varieties of slot machines including progressives, as well as video poker. TRUMP CASTLE brings the choices and chances of real-life casino play to a home computer, from the 3-D animation of the roulette wheel and the dice at the craps table to the nine different slot machines, varying table limits and range of chip values. A coupon book worth \$300.00 in gifts and discounts at Trump Castle Hotel and Casino, Atlantic City, is included in every box. Game play is according to the rules and regulations of the New Jersey Casino Control Commission (except keno and poker).

SYSTEM

COMMODORE 64/128

Requirements: Joystick.

COMMODORE AMIGA 500, 1000, 2000

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: CGA or VGA.

MEDIUM

5 1/4-inch disk

3 1/2-inch disk

5 1/4-inch disk

MEMORY

64K

512K

256K

PRICE

\$34.95

\$39.95

\$34.95

SUBLOGIC CORP.

UP PERISCOPE!

ISPN 76950-400

Patrol the Atlantic and Pacific seas as the commander of a WWII submarine.

UP PERISCOPE! puts you in contact with the Commander of Submarine Force Pacific, or you can prowl an ocean alone. Plan your action using detailed Pacific and Atlantic charts showing all major land forms and islands, and even some minor ones. Conduct engagements in four phases: Contact, Approach, Attack and Withdraw. Move from day attack to nighttime surface patrol. Fire on anything from enemy freighters and tankers to

troop ships and destroyers. Torpedoes can be fired from both fore and aft torpedo tubes. Just make sure you avoid sinking Allied navy units. The complete instrument panel and split screen views let you see everything except the enemy's epaulettes. You can use realistic equipment such as surface radars, variable power periscopes and a torpedo targeting computer. Includes realistic equipment and displays detailed Pacific and Atlantic charts.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$29.95 |

SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.

VETTE!

ISPN 75175-800

Street racing simulation that features Corvettes driving through San Francisco with highly realistic 3-D graphics.

The VETTE! (Corvette) driver will test his/her racing skills against classic European sports cars through the streets of San Francisco past famous landmarks, flying up and down the steep hills, dodging traffic and pedestrians. Flat race track or freeway driving simulations will seem tame after this street racing simulation through one of the most alluring cities of the world. A few of the features of the game are 3-D solid modeling graphics, accurate mapping of San Francisco streets and landmarks, option to choose from three Corvette models with corresponding performance characteristics, varying levels of difficulty, multiple course options and multiple view perspectives (helicopter, front and side). The program is not copy protected but is password protected.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$49.95 |

Requirements: CGA, EGA, VGA or Hercules graphics adapter, 7Mhz turbo or faster.

DATA EAST USA, INC.

VICTORY ROAD

ISPN 22515-800

The heroes from Ikari Warriors are back, and this time they are up against the monstrous Stonehead and his army of bizarre creatures.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$34.95 |

BETHESDA SOFTWORKS

WAYNE GRETZKY HOCKEY

ISPN 07542-100

Play, coach or watch the most realistic hockey simulation on a microcomputer.

WAYNE GRETZKY HOCKEY's animated penalty calls, digitized stereo sound and team editor, all but complete the bruising hockey action. You'll learn the meaning of real-time hockey tactics. Each authentic NHL player is rated in 11 skill categories including

skating ability, stamina, puck control and aggression. Control any player, coach from the bench or let Wayne coach and watch the action from the stands. Construct teams, create unique players, load and save teams from disk or use the NHL teams provided. Actual digitized fight videos drop you right into the middle of the action when the playing gets rough! Animated refs make the penalty calls. Overhead, real-time graphics let you experience the brilliant stick work, the finesse of a passing game, the thrill of a last second save or the crunch of a bone-wrenching body check. Features user controlled instant replay and multiple difficulty and skill levels. Supports joystick or mouse control.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$54.95 |

Requirements: Mouse or joystick.

BRODERBUND SOFTWARE, INC.

WINGS OF FURY

ISPN 08850-703

Learn to pilot a F6F Hellcat like an ace, then fly missions in the Pacific of World War II.

By 1944, the F6F Hellcat ruled the Pacific. With an on-board arsenal of .50-caliber machine guns, torpedoes, bombs, and five-inch rockets and 2,800 supercharged horses racing around the radial engine, the Hellcat won safety for the Allies and respect from their opponents. Now you can roar off the deck of a flattop. Includes a variety of missions. Sometimes enemy bunkers and machine-gun nests need to be destroyed. Enemy cruisers and destroyers will have to be attacked. And at any time, you may be in a desperate dogfight. Learn how to land on a carrier's postage stamp of a flight deck. Master the art of strafing and dive-bombing, in addition to firing rockets and torpedoes using the joy stick. Animation and graphics are included in the package. Smoke pours out of damaged planes as they splash into the sea, flags wave, soldiers run to their posts. Three views are available: out the window cockpit view, high altitude panorama, and side view with maximum graphic detail. Realistic flight action, just like a real plane, the Hellcat takes off, lands, stalls, dives, and turns. Three kinds of payload are available: 100 pound bombs, torpedoes and five-inch rockets. Features a variety of enemy forces, occupied islands, ships plus countless planes. On-screen indicators show when you need to return for repair, rearming, or refueling. Provides increasing challenge levels and each one requires different strategies. The challenges become increasingly difficult and the number of enemies increases. A color monitor is recommended.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$34.95 |

Requirements: Joystick.

ELECTRONIC ARTS

ZANY GOLF

ISPN 28512-900

Tee off on a miniature golf course with nine of the wildest holes on the earth.

ZANY GOLF's nine holes move miniature golf into the realm of the Marx Brothers. The Hamburger Hole forces you to seek your ball under a jumping hamburger. The Energy Hole features laser beams, particle rays and transporter pads. Try your hand at pinball, you'll maneuver your ball through flashing lights and music. There's even a hole with a

mind of its own. Features moving walls, a magic carpet, a castle and a classic windmill. Watch out for the secret hole and many other surprises! Accompanies shots with sound effects and a musical score.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |

535 ENTERTAINMENT/ANIMATION/DRAWING/MOVIE MAKING

MACRO MIND

BLACK AND WHITE MOVIES

ISPN 45904-080

Contains 17 animated black and white movies designed for use with Videoworks II.

BLACK AND WHITE MOVIES includes Helicopter, Comicbook Story, Bounce, Phone story, Little People, Sharpe TV3, Teja, Bugged, Astro, Birdplane, Tangram, Factory, Tour de France, and WizBang. Users can study the movies and learn animation techniques, or copy and paste to combine or rearrange the movies in custom presentations.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

Requirements: VideoWorks II (ISPN 45904-440), two disk drives or one disk drive and hard disk.

ELECTRONIC ARTS

CARTOONERS

ISPN 28512-046

Ages 6-12: Children can create and animate colorful characters and scenery to produce musically accompanied stories.

CARTOONERS provides a stimulating climate for children to widen their imagination by creating their own animated movies with music and sound effects. Compatible with Instant Music (ISPN 28512-039) as well as its data disk, It's Only Rock and Roll (ISPN 28512-064) and Hot and Cool Jazz (ISPN 28512-066), CARTOONERS provides an unlimited variety of musical accompaniment. It is also compatible with DeluxePaint II (ISPN 28512-081) from which additional characters and scenes can be imported. Children can choose from a library of characters to star in their cartoons such as dogs and cats, bunnies and crackling fires. Characters can then be animated in a variety of ways including dancing, walking, and moonwalking. An array of scenes is available for creating just the right setting, such as a country road, a rustic barnyard, and a scary cemetery. Children can apply speech balloons to each character to create all kinds of imaginative stories and reports for friends and classmates. CARTOONERS also contains a printing option for children to create their own full-color, illustrated storybooks.

SYSTEM

APPLE IIGS
 IBM/MICROSOFT PC/MS-DOS 2.0+
 IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2-inch disk
 5 1/4-inch disk
 3 1/2-inch disk

MEMORY

640K
 512K
 512K

PRICE

\$59.95
 \$59.95
 \$59.95

BRODERBUND SOFTWARE, INC.**FANTAVISION****ISPN 08850-066**

Grades 4-12: Now even beginners can quickly produce animated television-style cartoons and 'movies'.

User plots the points of their creations, fills them with vivid colors and then watches them as they unfold, turn, spin, bounce and come alive on the computer screen. The computer will make up to sixty-four drawings for every one the user draws, automatically producing cell-style animated movement and special effects. Virtually anyone, artists and non-artists, children, teachers, homemakers and executives can create special effects, cartoons, mini-movies and doodles. User can create simple full-screen animation in seconds and produce an animated 'film' that runs for hours. No knowledge of animation techniques is required. Also allows user to 'capture' an image and then 'lean' it, 'turn' it or 'flatten' it and can 'zoom' objects toward you or away from you. Create your own movie-on-a-disk and send it to a friend. Includes a user's manual with step-by-step instructions for creating effects and animation. School edition includes a teacher's guide and a back-up disk. The lab packs include a teacher's guide and five disks. Additional teacher guides are available for \$10.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$49.95

Requirements: Consumer edition. Mouse, graphics tablet, drawing pad or joystick.

COMMODORE AMIGA 500, 1000, 2000

3 1/2-inch disk

512K

\$59.95

Requirements: Mouse, graphics tablet, drawing pad or joystick.

EPYX, INC.**HOME VIDEO PRODUCER****ISPN 29575-305**

Add titles, text and graphics to Camcorder home videos.

HOME VIDEO PRODUCER transforms vacations, holidays and special occasions into video masterpieces. Add names, ages and dates onscreen in ten different typefaces with a variety of titles and colors. Insert 'ready made' segments or select from the library of over 75 full-color graphics. Turn home videos into theatrical art!

SYSTEM

COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk

MEMORY

64K
 128K

PRICE

\$49.95
 \$49.95

BRIGHT STAR TECHNOLOGY**HYPERANIMATOR (VER. 1.5)****ISPN 08459-300**

Creates and controls lip-synchronized talking actors or other sound-synchronized images using a random access animation tool.

Converts text into a phonetic stream for automatic speech/lip synchronization. Helps the user to synchronize naturally produced digitized sounds. Uses the RAVE external command which uses its own speech and animation language, RAVEL. Includes HyperCard (ISPN 03900-300).

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$199.95 |

Requirements: Two 800K disk drives or hard disk.

MACRO MIND

MACRO MIND DIRECTOR

ISPN 45904-460

An animation package that supports color cycling, multiple palettes and MIDI interfaces.

Enables users to quickly create animation. Provides object sensitive help, separate menus for each window, implementation of pop-up menus, score window display selections, preferences control over named sound files, screen size and old command keys. Includes four disks containing program, sound scrapbook, palettes and tutorials, interactive tutorials, clip animation, movies and artwork examples, color examples and utilities. Paint features include color tools and effects, airbrush speckle, gradients, cycling, smear, arc, polygon, smudge, smooth, tint, pickup, slide, stamp, tile patterns, custom patterns, custom brushes, rotate, slant, perspective and distort transformations, single or multiple easel display and flip book capabilities. Score features include separate channels for sound, tempo, transitions and color palettes, color palette animation, color transitions and color cycling, auto-animate and auto-rotate, inbetweening features, display of selected castmember, ink and frame number, pop-up menus for inks, frame labels, scrollable playback head, additional transitions and MIDI controls. Cast features include display of multiple rows, multiple selections, rearrangement of castmembers, and larger cast member numbers. Text features include color text, multiple fonts, styles and sizes, text and box drop shadows and improved text editing. Can import PICS (a sequence of PICT's), PICT (with palette, color Palettes, scrapbooks), MacPaint (ISPN 12784-510) files, text, and sampled sounds in either SND, SoundEditor sound files. Provides color and laser quality printing, storyboards with comments, PICS or PICT export, NTSC screen size and NTSC palette and multiple screen display. Tools available include rectangle, rounded rectangle, oval, line tools, line width control, and pop-up menus for color and patterns. Palette features include hue, saturation and brightness control, range selection, pickup, hand tool, current palette control, and color effects including blend, rotate, sort and switch. To obtain help, click any tool, icon or window to access help for that object. A comment window is available for full text editing, current, next and previous frame display. The score window displays selection, preference control over named sound files, screen size and old command keys. Automatic animation enables users to generate animated sequences based on user input. Animated sequences can be placed over slides or photographs like clip animation. Features include bar graphs, bullet charts, banners, credits, auto-scrolling text, titling sequences, text shimmers and text sparkles. Users can play back VideoWorks II Accelerator documents in an overview sequence, display color PICT and center buttons. Contains a quick start guide and documentation.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$695.00 |

Requirements: Two 800K disk drives or a hard disk.

MEDIAGENIC/ACTIVISION ENTERTAINMENT**MANHOLE****ISPN 48679-335**

Ages 3-10: A Hypercard stack for children which features an animated story with animal sounds and digitized speech.

In MANHOLE you drink tea with a Rabbit and take a boat ride with a guru elephant. Join some Sea Horses in a dance. Animals talk (with real voices) and almost every object is explorable and animated. Comes on five diskettes and contains 650 cards.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |

Requirements: Hard disk, HyperCard (ISPN 03900-300).

SILICON BEACH SOFTWARE**SUPER 3D (VER. 2.0)****ISPN 70237-500**

A three dimensional graphics editor that allows modeling and animation. Supports color and black and white graphics.

Designed for professional engineering and graphic arts applications. Allows users to create and animate 3-D objects. Users draw in two dimensions with basic drawing tools and the object is transformed into three dimensions. Users can 'revolve' objects in any axis by any desired number of degrees. Four simultaneous orthogonal views of the object are available by splitting the window into four 'panes' that show front, top, side, and user views. Users can edit a section of an object while observing the effects on others views of the object in the windows. Four light sources can each be rotated in three axes, with options for diffuse light and specular light. An unlimited number of different light sources can be used for creating subtle lighting effects. A 'Connect Cross Sections' command allows connection of a series of irregular polygons to create a complex structure and a 'Replicate' command allows the user to replicate an object many times. Animation sequences can be inputted from text files created by other software, such as CAD and simulation systems. Allows for dynamic data analysis. Provides precision readouts using a coordinates window that shows the absolute x, y and z positions of the cursor in 3-D space and the straight-line distance from the starting point of the new object to the current position of the cursor. The Nudge command allows for one-pixel positioning of objects in any of six directions. Objects can include up to 64 shades of gray. Objects can be exported as an EPS(Encapsulated PostScript) file or as a PICT file. If a math coprocessor is available the program can take advantage of it.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$495.00 |

BRODERBUND SOFTWARE, INC.**VCR COMPANION****ISPN 08850-820**

Designs and creates titles, credits, introductions, intermissions, and endings for video tapes.

Titles can scroll vertically, horizontally, or appear on-screen letter by letter. Choose from 12 fonts in 16 colors, and 12 special effects, including glitter, rain and stars. Twelve transitions take the user from one screen to another. Provides 12 full screen pictures, 12 pattern backgrounds, 12 borders, 24 animations and 24 icons. Users can choose from graphics including baby, vacation, sports, TV news, birthday, and holidays. Users can import graphics and animation from Dazzle Draw (ISPN 08850-062), Fantavision (ISPN 08850-066), and Animate (ISPN 08850-017). Special programming, wiring, and hardware set-ups are not needed. The School edition contains a Teacher's guide and a back-up of each program disk. The Lab pack includes a Teacher's guide and four back ups of each program disk for a total of ten disks.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| <i>Requirements: Consumer Edition. VCR or Video camera.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$54.95 |

BRODERBUND SOFTWARE, INC.

VCR COMPANION FILM LIBRARY

ISPN 08850-825

A collection of high-resolution color screens, animated sequences, borders, fonts, and graphics for use with VCR Companion.

VCR COMPANION FILM LIBRARY includes 24 animations, 24 full screen images, 24 icons on vacation and family themes, 12 fonts and dozens of borders and background patterns.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$24.95 |
| <i>Requirements: VCR Companion (ISPN 08850-820), VCR or Video camera.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$24.95 |

MACRO MIND

VIDEOWORKS II

ISPN 45904-440

An animation package that features advanced animation techniques, a text editor, improved graphics and color capabilities.

VIDEOWORKS II features better graphics tools, text editing, Macintalk speech synthesis, sampled sounds (digitized sounds and music), icon oriented editing (for easier use) and color graphics for Macintosh II owners than the original Videoworks. One of the central new features is called the 'Overview' window. The Overview window is an interface which offers the user the ability to quickly create slide-shows-like presentations that combine animation, still graphics, special effects (like fade and dissolve), sound effects and digitized music without knowledge of a complicated programming language or notational system. Includes an entirely redesigned manual that includes an interactive guided tour training disk, extensive tutorial and reference sections and completely new art and movie disk. Compatible with Apple's Multifinder and supports multi-tasking.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$295.00 |

MACRO MIND

VIDEOWORKS II ACCELERATOR

ISPN 45904-510

Takes any VideoWorks II movie and allows it to run at 40 frames per second.

VIDEOWORKS II ACCELERATOR supports either color or black and white movies. Plays sound as well as video and retains tempo changes. The length of the movie is limited only by disk storage capacity.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$195.00 |
| <i>Requirements: VideoWorks II (ISPN 45904-440), two disk drives or hard disk.</i> | | | |

MACRO MIND

VIDEOWORKS II HYPERCARD DRIVER

ISPN 45904-500

Allows you to play VideoWorks II movies from within a HyperCard stack.

VIDEOWORKS II HYPERCARD DRIVER supports color or black and white movies. Allows full-screen animation that is not limited to the Hypercard card size. Allows animation directly on top of a HyperCard card or in a separate window. Provides options to reposition or pre-load animations. Licensing for multiple copies is available from vendor.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$99.95 |
| <i>Requirements: HyperCard (ISPN 03900-300).</i> | | | |

536 ENTERTAINMENT/MISCELLANEOUS ENTERTAINMENT

BOX OFFICE SOFTWARE

ALF

ISPN 08327-105

Alf's best buddies from Melmac have crash landed their spaceship on Earth. The dog catcher is on his way to nab Alf's friends!

Guide ALF through the maze-like neighborhood as he collects all that was lost from the spaceship. Join him in the race against time and the dog catcher as you help him collect objects, rebuild the spaceship and return his friends to space.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.99 |

BOX OFFICE SOFTWARE**CALIFORNIA RAISINS (THE)****ISPN 08327-175**

Mistaken for ordinary grapes, the California Raisins are being held captive at the dreaded Cereal Factory by some real flakes!

The CALIFORNIA RAISINS have been kidnapped! Tiny Goodbite, the last remaining California Raisin, has just heard through the grapevine that his friends are about to be processed! Help Tiny Goodbite fight these junk food meanies and rescue his wrinkley friends. Meet danger head on as you fly to the Cereal Factory and fight the meanies. Overcome menacing threats, hazardous obstacles and certain disasters to rescue Tiny Goodbite's famous friends.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$9.99 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$9.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$9.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$9.99 |

BRITANNICA SOFTWARE**JIGSAW-THE ULTIMATE ELECTRONIC PUZZLE****ISPN 08575-400**

Ages 6 and up: Helps children to solve visual problems with 24 puzzle images to choose from in four different puzzle levels.

Puzzle images include famous sites from around the world, art masterpieces, the alphabet, animals, and landscapes. The player can select eight, 14, 40 or 60 puzzle pieces. It can be played alone or with multiple partners. Includes an image disk with 24 puzzle images. Additional image disks can be purchased from the vendor for \$24.95. Users can import images created from other graphic programs such as PaintWorks Gold (ISPN 00837-752), or Deluxe Paint II (ISPN 28512-081). Puzzles can be saved and returned to the same spot to be completed.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 768K | \$39.95 |
| <i>Requirements: ProDOS 1.5 color graphics card, mouse, RGB monitor.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$39.95 |
| <i>Requirements: EGA.</i> | | | |

SIERRA ON-LINE, INC.**KING'S QUEST III-TO HEIR IS HUMAN****ISPN 69925-632**

Step into the tattered shoes of Gwydion, a slave bent on learning the spells of the evil wizard, Manannan.

KING'S QUEST III-TO HEIR IS HUMAN will bring out all the instincts of the trickster in you. You pose as a humble slave serving the powerful wizard Manannan, but in truth you serve to steal from him. If he discovers that you have been learning his spells, he'll kill you. In addition to this shady activity, you'll embark on perilous voyages to distant lands and encounter mystical and mythological beings from fiction and fairy tales. Offers multiple solutions and scoring. Displays animated characters who walk, talk and run. Provides a self-mapping system to keep track of where you are.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| APPLE IIGS | 3 1/2-inch disk | 256K | \$49.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

BOX OFFICE SOFTWARE**MILTON BRADLEY BINGO****ISPN 08327-150**

Includes everything you need to set up your own Bingo game or tournaments.

With MILTON BRADLEY BINGO, simply print out your Bingo cards for each round of play. Then the computer Bingo popper shuffles the numbers and 'pops' them up on the screen. The computer even knows when someone has Bingo, but waits for that person to call it out before checking the card. Up to 99 people can play.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 5 1/4-inch disk | 256K | \$9.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Printer.</i> | 3 1/2-inch disk | 256K | \$9.99 |

ELECTRONIC ARTS**MODEM WARS****ISPN 28512-036**

A grudge match between two opponents, either human or computer, that tests players' strategic skills at seven levels of battle.

MODEM WARS takes the concentration of a speed-chess game and combines the unpredictable action of a battleship-type situation. Players control the game from their viewpoint, seeing only their units and the enemy's they've spotted on the horizon. Players set their troops and artillery prior to the battle, but once the confrontation begins the unexpected should be expected as enemy riders will come out of nowhere, grunts are all on blitz orders, and a spy may spot your ComCen (Command Center) and promptly blow it away. Read what comes across your message screen, but don't get caught sleeping or your team of warlords could be devastated by an opponents' drone. It is a war and your opponent will always be moving and chasing, trying to present the element of surprise from the other end of the phone line or during a single-player game versus the computer. Modem owners can improve their skills off-line against the computer in preparation for the ultimate challenge - a human opponent. Before squaring off against a friend or foe, practicing and defeating the computer regularly will be vital to your success in MODEM WARS. CompuServe and Quantum networks will provide player support as an installed network feature. Players will be able to enter the MODEM WARS database, find other players on the database, share tips and strategies and even download a file on how to run a MODEM WARS tournament.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Modem.</i> | 5 1/4-inch disk | 640K | \$39.95 |

MINDSCAPE, INC.

TRUST AND BETRAYAL-THE LEGACY OF SIBOOT

ISPN 54375-785

An icon-based program where the user tries to get information about other characters to win in mental combat and triumph.

With TRUST AND BETRAYAL-THE LEGACY OF SIBOOT, you are one of seven characters who, through a unique icon-based language, try to get information about six other characters by making deals, asking and answering questions and gossiping. The goal is to gather enough information about the other characters so you can anticipate their feelings, win in a sleep-induced mental combat, and ultimately win the game--and become the new Shepherd of Kira. This game relies not on strategy or reflexes, but on intuition and social abilities. This is an allegorical simulation of real-world social experience, as characters who don't know one another very well learn about each other. It can be likened to a new student in school. Each moves cautiously to make friends, observe who has power, and establish an identity. Includes its own novella. A collection of Chris Crawford's (the author of program) own stories provides a social/historical perspective on the intricately-crafted Kiran world.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

545 ENTERTAINMENT/SPORTS GAMES

ACCOLADE

4TH & INCHES

ISPN 00543-620

Gives you all of the hard-hitting action of real football: the bombs, the blitzing, and the goal line stands.

With 4TH & INCHES, you'll experience graphics and animation that are as riveting as a blind side hit. As the key player on defense, you've got to have speed, stamina and smarts. As the quarterback, you've got to read an unforgiving defense that takes no prisoners. Winning takes all the moves of a number one draft choice, plus the tactical genius of a veteran head coach. For one or two players.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$44.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| <i>Requirements: Joystick. Two player mode requires two joysticks.</i> | | | |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| <i>Requirements: Note: 3-1/2-inch disks are available for \$5.00.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$44.95 |

ACCOLADE

4TH & INCHES-TEAM CONSTRUCTION DISK

ISPN 00543-625

Create any team and any type of player for your 4th & Inches pro football game.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIGS <i>Requirements: 4th & Inches (ISPN 00543-620).</i> | 3 1/2-inch disk | 512K | \$14.95 |
| COMMODORE 64/128 <i>Requirements: 4th & Inches (ISPN 00543-620).</i> | 5 1/4-inch disk | 64K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: 4th & Inches (ISPN 00543-620). Note: 3-1/2-inch disks are available for \$5.00.</i> | 5 1/4-inch disk | 256K | \$14.95 |

EPYX, INC.

4X4 OFF ROAD RACING

ISPN 29575-150

Avoid the rocks, boulders and spiky cacti as you barrel through this multi-race game.

4x4 OFFROAD RACING lets you, or you and a friend pick or make a vehicle, supply that 4x4 with emergency gear and repair equipment and then bust your tires to break the finish line.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 128K | \$19.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 64K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$19.95 |

EPYX, INC.

CALIFORNIA GAMES

ISPN 29575-096

Enjoy games and recreation that originated in California. Awards trophies for each event's top scorer.

CALIFORNIA GAMES shows you how well you'll compete with East coast games. In Half-Pipe Skateboarding, you'll build up speed riding down a U-shaped bowl and maneuver over to the top of the other side. Keep juggling (without using your hands) in Foot Bag or hit the top of a wave to 'catch some air' in Surfing (no more than four wipe-outs or 1 1/2 hours continuous game play are allowed). Grind through the bumps in Roller Skating and cover the course in BMX biking. When you've sweated your all you still must catch faultlessly and toss in Flying Disks. Allows one to eight players and lets you save record scores to disk.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Joysticks.</i> | 5 1/4-inch disk | 256K | \$39.95 |
| APPLE IIGS <i>Requirements: Joysticks.</i> | 3 1/2-inch disk | 512K | \$39.95 |
| COMMODORE 64/128 <i>Requirements: Joysticks.</i> | 5 1/4-inch disk | 64K | \$39.95 |

SYSTEM

COMMODORE AMIGA 500, 1000, 2000

Requirements: Joysticks.

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: Joysticks.

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Joysticks.***MEDIUM**

3 1/2-inch disk

5 1/4-inch disk

3 1/2-inch disk

MEMORY

256K

512K

512K

PRICE

\$39.95

\$39.95

\$39.95

MEDIAGENIC/GAMESTAR**CHAMPIONSHIP BASEBALL****ISPN 48684-112**

A baseball simulation which lets you control pitching, hitting, catching, base running and even sliding under tags.

CHAMPIONSHIP BASEBALL may award you the pennant, but you'll have a grueling race to run to possess it. You'll be the team manager and the star player for an entire season of big-league action. As manager, you will select each member of the team - pitchers are ranked on three separate qualifications (speed, control and stamina), players are rated on four (batting, catching, running and throwing). You can enter exposition games for practice, then stake your claim in the pennant race.

SYSTEM

APPLE II, IIC, IIE, IIGS

*Requirements: Joystick.***MEDIUM**

5 1/4-inch disk

MEMORY

128K

PRICE

\$14.95

EPYX, INC.**CHAMPIONSHIP WRESTLING****ISPN 29575-065**

Professional wrestling simulation. Choose your characters and fight against an opponent or against the computer.

It's the Sultans of Slam. The Gurus of Gashes. The meanest, nastiest rowdies to ever hit the canvas! There are 8 of these creeps in all, each with their own disgusting personalities and revolting habits. Throw them from the ring! Crush their heads! Slam them to the mat and pulverize their puny bones. You'll have 25 moves to pin your man. Win the title, and the Championship Wrestling Belt will be yours!

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

Requirements: Joystick.

COMMODORE 64/128

*Requirements: Joystick.***MEDIUM**

5 1/4-inch disk

5 1/4-inch disk

MEMORY

48K

64K

PRICE

\$19.95

\$19.95

BRODERBUND SOFTWARE, INC.**DOWNHILL CHALLENGE****ISPN 08850-210**

Ski down realistic runs in four different events - Downhill, Slalom, Giant Slalom and Jumps.

DOWNHILL CHALLENGE gives you hair raising, 3-D skiing thrills. You'll challenge friends and let the computer time your splits. If you like, race a computer opponent who

knows the slopes like a native. Scrolls vertically and horizontally. Offers beginning, intermediate and advanced levels for each event.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$29.95 |

Requirements: CGA.

ELECTRONIC ARTS

EARL WEAVER BASEBALL (VER. 1.5)

ISPN 28512-068

Play baseball in a variety of ways - from hit-and-run field action to building the stadium of your dreams.

EARL WEAVER BASEBALL gives players a clear view of the pitcher-batter confrontation. The players have been enlarged to focus on the one-on-one showdown, replicating baseball action as viewed on network television. Supports sixteen color graphics and full VGA graphics. Each game is controlled by the player's decisions or on-field maneuvers. Decisions must be made with lineups, pitching changes, performing the hit-and-run just right, stealing, and even knowing when to warm-up a relief pitcher when a game's on the line. Enables players to manage, play, or do both. When all else fails, Earl Weaver's managerial expertise is available in the program for consultation on key decisions. In addition to using current major league players, the program challenges players to face some of the classic all-star big leaguers who played between the years 1901 through 1975. As managers, players can build their dream teams and play a full season, keeping tabs on injuries, setting pitching rotations, and monitoring the accumulated stats using a built-in statistical compiler. Players can also go beyond existing stadiums and design their own ballpark with the program editor. The program also features TV special effects for more realistic gameplay, including instant replay, slow-motion, and freeze frame.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$44.95 |

ACCESS SOFTWARE, INC.

FAMOUS COURSES DISK (VOL. 1)

ISPN 00525-028

Link World Class Leader Board to Harbour Town and Dorado Beach.

FAMOUS COURSES DISK provides three courses that golf greats admire. You will enjoy a scorecard printout, top view, a course editor that allows you to redesign courses to your liking and a punch feature that lowers the trajectory of the ball and helps in tree play. You'll see the trees, traps, water and roughs of some of the most beautiful, subtle, well designed and demanding courses found in the world in the three 'real' courses. The 'World Class' course is for the select few who believe that Harbour Town and Dorado Beach lack challenges. Can output to a printer.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 64K | \$19.95 |

Requirements: World Class Leader Board (ISPN 00525-600), joystick.

ACCESS SOFTWARE, INC.

FAMOUS COURSES DISK (VOL. 2)

ISPN 00525-015

Lets you play on three of the world's most prestigious courses: Pebble Beach, Muirfield and Colonial Country Club.

FAMOUS COURSES DISK provides three courses that have been praised and cursed by the pros. Pebble Beach was designed in 1919 and is acknowledge as 'the finest seaside course in North America' and very likely, the world. Annually, it hosts the AT&T Pebble Beach National PRO-AM, one of golf's most prestigious tournaments. Muirfield, a British Isles course, is one of the oldest in the world, dating back to 1744. It has been the home of numerous British opens and is recognized for narrow fairways and thick lush rough (making it a test of control). Thirdly, the Colonial Country Club was described by Ben Hogan (golf legend) as 'Proud, stern, brutally honest and unremittingly tough, pursuant of precision, intolerant of mediocracy and when in top form, virtually unbeatable! The last real challenge is Glenmoor Country Club. If this course was on tour even 'the pros would need a handicap!' Includes a print options.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 64K | \$19.95 |
| <i>Requirements: World Class Leader Board (ISPN 00525-600), joystick.</i> | | | |

ACCESS SOFTWARE, INC.

FAMOUS COURSES DISK (VOL. 3)

ISPN 00525-016

Link World Class Leader Board to Firestone, Sawgrass, Banff Springs or the Royal St. George's courses.

FAMOUS COURSES DISK provides 5 of the courses that golf greats admire. You can play Firestone, described by Jack Nicklaus as 'a great test of golf, every shot is demanding,' or Sawgrass, located on fingers of fairway lined by strips of water and sand. You can also come close to the heartland of golf at Royal St. George's in Sandwich, England. The distinctive character of the course will certainly leave an unforgettable impression. The setting of Banff will do the same, as it lies well into the Canadian Rockies. This program works with World Class Leader Board (ISPN 00525-600) and will output to a printer.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 64K | \$19.95 |
| <i>Requirements: World Class Leader Board (ISPN 00525-600), joystick.</i> | | | |

ACCOLADE

FAST BREAK

ISPN 00543-325

A three-on-three, full-court basketball game that lets you select and run the offense and defense or design your own plays.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| <i>Requirements: Joystick.</i> | | | |

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

512K

PRICE

\$39.95

*Requirements: Note: 3-1/2-inch disks are available for \$5.00.***ELECTRONIC ARTS****JOHN MADDEN FOOTBALL****ISPN 28512-420**

A football game that provides 22 computer-programmed, animated players which move and perform like real pro players.

JOHN MADDEN FOOTBALL contains 81 offensive and 81 defensive plays in individual playbooks compiled from ten teams which Madden coached, including his World Championship seasons. The performance of all 22 players on the field is modeled using real-life ratings on up to 11 key variables. The team roster and individual player stats may be viewed anytime. Use the 'Madden Report' to display player ratings and matchups between teams. Players use the Chalkboard to diagram plays, modify playbooks and edit teams. The Play Editor allows you to test the plays that you create, in real game situations. Players use the Team Editor to modify or create new teams. Take all this to the field and, if players don't like what they see at the line of scrimmage, change the entire play by calling an audible. Three levels of play let rookies enjoy the game as much as All-Pros. QuickPlay gets the game going within a minute of booting, as a reduced playbook makes play calling simple and gets you to the action quicker. The Standard Game can be played in strategy or action mode. The strategic game runs the plays you call as you watch the action from the sidelines. The Action Game lets you make coaching decisions and run plays by controlling the key player. The Standard Game offers players a choice of teams and playbooks, playing field conditions, and setting handicap levels so your opponent is easier or tougher to beat. At all times, and in all levels of play, the player can choose to stay on the sideline and call the plays, or take control of the passer, ball carrier or receiver. The Stat Replay feature will generate statistics by running complete games on its own using the team and playbooks that you choose. JOHN MADDEN FOOTBALL lets players deliver passes with pinpoint accuracy and use an 'Ump Bar' for quick bursts of speed. In the Game Set-UP screen, players select grass or astroturf, open or domed stadiums, rain or snow, and hot or cold weather conditions. There's even an announcer's recap describing each play. Watch the action unfold with real players, not just X's and O's.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$49.95

IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk

256K

\$49.95

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

256K

\$49.95

ELECTRONIC ARTS**JORDAN VS. BIRD: ONE ON ONE****ISPN 28512-007**

Three separate events allow two players to go one-on-one and up to four players to master the Air Jordan Slam Dunk Contest.

Represents the basketball characteristics of both Michael Jordan of the Chicago Bulls and Larry Bird of the Boston Celtics. Every shot, rebound, and steal reveals the moves and strategies that make Jordan and Bird the NBA's best. Features large characters and a basketball court that scrolls three screens wide. Lets players become an authority of the dunk in Air Jordan's Slam Dunk Contest, or a sharp-shooter from more than 23 feet

out in Bird's 3-Point Contest. Players can improve their game by receiving feedback at the end of each quarter with the Stats Screen, using the notebook with Jordan and Bird's offensive and defensive tips, and learning each players' sweet spots to grasp the style of JORDAN VS. BIRD: ONE ON ONE.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 284K | \$44.95 |

ELECTRONIC ARTS

KINGS OF THE BEACH: PROFESSIONAL BEACH VOLLEYBALL

ISPN 28512-450

One or two players may compete in a five beach volleyball tournament in Rio, Australia, Hawaii, Chicago, and San Diego.

KINGS OF THE BEACH incorporates all the members of the AVP (Association of Volleyball Professionals). To advance in tournament play, players must win three games on each beach. After the third successive victory, players are rewarded with an EA Pixel-Mate who will provide the secret password to move on. Computer opponents become progressively tougher as you play through 15 grueling matches and attempt to become 'King of the Beach'. Includes design enhancements from Sinjin Smith and Randy Stoklos, the leading money winners on today's pro beach volleyball circuit. The individual shooting percentages and playing styles of Sinjin and Randy are incorporated into the game, but the action is kept easy enough for amateur players to perfect the bump, set, and all-powerful spike. While the tournament courts are where the volleyball 'kings' rule, two additional modes of play allow less traveled players a chance to hone their skills. Bumps, sets, and spikes can be practiced on three different courts to work on the fundamentals. On match court, a one game, winner-take-all showdown, players team-up with another human and play on the same side of the net, or play head-to-head against one another. Once players are ready for the professional ranks, they can hit the road with Smith and Stoklos as the KINGS OF THE BEACH tournament invites players to the sunny and exciting shores of beach volleyball competition.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 640K | \$44.95 |

ACCESS SOFTWARE, INC.

LEADER BOARD TRIPLE PACK

ISPN 00525-035

Golfers face multiple 18-hole golf courses that demand strategy, total concentration and control to come in under par.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |

Requirements: Joystick.

XOR CORP.

MACCOURSES (VER. 1.0)

ISPN 87125-500

An application program with four courses (72 individual holes). Each course is par 72 and challenges the professional MacGolfer.

MACCOURSES allows only two courses on the disk at a time. A dialog window displays pairs of courses. With only a couple clicks of the mouse, the exchange is complete. MACCOURSES will exchange a pair of courses on the MACCOURSES disk for a pair of courses on the MacGolf (ISPN 59081-300) disk.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$34.95 |
| <i>Requirements: MacGolf (ISPN 59081-300).</i> | | | |

XOR CORP.

MACGOLF (VER. 2.0)

ISPN 87125-501

The ultimate graphic golf simulation game. Digitized golfing figure, real-life digitized sounds. Two 18-hole courses.

MACGOLF begins as you examine the view drawn for you by the Macintosh. The trees, sand traps, fairway, flag, hole, lakes, etc. are drawn for you in true perspective. An aerial view (map view) of each hole is presented and travel of ball is plotted on the map. You and three of your golfing buddies can play any one of the two 18 hole courses. The Macintosh keeps track of each player's score. As you check the wind for direction and speed, you select a club from the 14 available for your next shot. You set your stance by moving your feet to give your shot more/less hook or slice. This game requires skill to position yourself so the ball will land in the ideal spot for your next shot. Set your power level for your swing with the scroll bar. As the ball is hit, you see it rise and fall onto the fairway in realistic motion. Features digitized animated graphics and realistic digitized sounds, two uniquely different 18-hole golf courses, a save game feature, automatic score keeping for 1 to 4 players (not only keeps track of your number of strokes per hole, but total score for the game, par for the hole). Features three levels of skill: Beginner, intermediate and pro. Complete club selection includes three woods, seven irons, two wedges and a putter. Also features top view of foot stance, club and ball for positioning of your shot for ball flight. The ball is continuously plotted while traveling in true flight dynamics. View indicators show random wind speed and direction. Shows a full perspective view of the shot from behind the golfer. Both perspective and top view show trees, fairway, lakes, sand traps, green, rough, flag and hole for your shot.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$59.95 |

XOR CORP.

MACGOLF CLASSIC (VER. 1.0)

ISPN 87125-502

Provides digitized golfing with sound, color support for the Mac II, and includes the program MacCourses with extra ranges.

Features full screen support for large monitors and practice ranges to prepare you for the game. The trees, sand traps, fairway, flag, hole, lakes, etc. are drawn for you in true

perspective. An aerial view (map view) of each hole is presented and travel of ball is plotted on the map. The user and three golfing buddies can play any one of the two 18 hole courses. Keeps track of each player's score. As you check the wind for direction and speed, you select a club from the 14 available for your next shot. You set your stance by moving your feet to give your shot more/less hook or slice. This game requires skill to position yourself so the ball will land in the ideal spot for your next shot. Set your power level for your swing with the scroll bar. As the ball is hit, you see it rise and fall onto the fairway in realistic motion. Features digitized animated graphics and realistic digitized sounds. Includes two uniquely different 18 hole golf courses, save game feature, automatic score keeping for 1 to 4 players (not only keeps track of your number of strokes per hole, but total score for the game), par for the hole, and three levels of skill, Beginner, Intermediate and Pro. Complete club selection includes three woods, seven irons, two wedges, and a putter, with top view of foot stance, club and ball for positioning of your shot for ball flight. The ball is continuously plotted while traveling in true flight dynamics. View indicators show random wind speed and direction and full perspective view of the shot from behind the golfer. Both perspective and top view show trees, fairway, lakes, sand traps, green, rough, flag and hole for your shot. Includes practice rounds for greens and driving ranges. Includes MacCourses (ISPN 59081-175).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$94.90 |
| <i>Requirements: 800K disk drive.</i> | | | |

ACCOLADE

MEAN 18-FAMOUS COURSE DISK (VOL. 5 & 6)

ISPN 00543-355

Each volume contains three challenging courses for you to conquer on your Mean 18 game.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$34.95 |
| <i>Requirements: Mean 18-Ultimate Golf (ISPN 00543-650). Note: 3-1/2-inch disks are available for \$5.00.</i> | | | |

ACCOLADE

MEAN 18-ULTIMATE GOLF

ISPN 00543-650

Learn the mechanics of a scratch game and try your skills on Pebble Beach, St. Andrews and Augusta.

MEAN 18-ULTIMATE GOLF makes PC golf into a lesson of good golf form. You'll develop your timing and rhythm. Once you've mastered the perfect stroke you'll move from the practice tee to the pro game. You'll see the yardage for every hole and the par for every hole on Pebble Beach, St. Andrews and Augusta. You can even build your own challenging course with the architect. Gives a bird's eye view of where you've been and where to go.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$44.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$44.95 |
| <i>Requirements: Note: 3-1/2-inch disks are available for \$5.00.</i> | | | |

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$44.95 |

PBI SOFTWARE**MONTE CARLO**

ISPN 59937-075

Experience casino games played the way they are in the Casino de Monte Carlo.

Play blackjack, roulette, craps, baccarat, poker, trente-et-quarante and more casino games. Provides sound, graphics and animation.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |

AVALON HILL GAME CO./MICROCOMPUTER GAMES, INC.**NBA**

ISPN 06350-750

Pick the line-up and call the plays for a battle before the bleachers.

NBA doesn't sell you hot dogs and beer from the stands, but it does everything else to recreate a season in the National Basketball Association. You will be able to keep track of up to 20 teams, individual player performances and player statistics from game to game and within each game. Call for a fast break, send in a sub or signal a press - your PC can handle it. You can replay a whole season with playoffs during autoplay, and play several games in a row with the same teams - this program never gets tired. Allows three modes of play - head to head, solitaire and autoplay. Re-enacts your team's brilliant maneuvers with 10-player animation.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$39.95 |

ACCOLADE**RACK 'EM**

ISPN 00543-720

Choose the object ball, pocket, aim and the english on the ball. Design your own trick shots and save your ten best shots to disk.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| <i>Requirements: Joystick.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| <i>Requirements: Note: 3-1/2-inch disks are available for \$5.00.</i> | | | |

BRODERBUND SOFTWARE, INC.

SPACERACER

ISPN 08850-050

You are the Earth's champion space-age gladiator who must challenge the best racers in the universe.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$29.95 |
| <i>Requirements: CGA or Hercules Graphics Adapter.</i> | | | |

EPYX, INC.

SPORTING NEWS BASEBALL

ISPN 29575-755

Play a game that has been developed with the baseball know-how of the Sporting News Magazine.

SPORTING NEWS BASEBALL tosses you the cap of a major league manager. You'll guide a real major league team or a 'dream team' (mixed from stars of the past) through 9 grueling innings and perhaps overtime. You have total batting control, from the hit-and-run and bunt to base-stealing and pickoff moves.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$39.95 |

AVALON HILL GAME CO./MICROCOMPUTER GAMES, INC.

STATIS-PRO BASEBALL

ISPN 06350-872

Presents a professional baseball game atmosphere, utilizing big league player statistics, enabling users to save and compile stats.

Allows players to act as manager, choosing lineups and making substitutions. Players also make decisions regarding fielding, pitching, hitting, bunting, stealing, and striking out. Players can create teams or choose from actual big-league teams provided in the program. Accommodates one or two players, allowing the statistics to be saved and compiled. Playing time ranges from 1/4 to one hour. The Commodore version comes with 1986 statistics.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$35.00 |

EPYX, INC.

STREET SPORTS BASEBALL

ISPN 29575-669

Turn the kids in the neighborhood into 'All Stars' of the street.

STREET SPORTS BASEBALL teaches the lesson that the Major leagues don't have it so tough. Their teams don't have to play with bushes sprouting in the outfield and tires for

base. Choose a new team each game - watch the action from above or up close on a split screen.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$19.99 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.99 |

EPYX, INC.

STREET SPORTS BASKETBALL

ISPN 29575-670

Shoot hoops, rebound and dribble on a dingy neighborhood playground complete with chain fence.

STREET SPORTS BASKETBALL's game is right up your alley. You'll set up your players' hook shots and power dunks - hope that you've picked the 'baddest' players on the block - If yours aren't, the competition's may be.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |

THUNDER MOUNTAIN, DIV. OF MINDSCAPE

SUMMER CHALLENGE-WORLD CLASS COMPETITION

ISPN 81712-933

'Go for the gold' in five summer events including fencing, hurdles, high dive, triple jump and skeet.

SUMMER CHALLENGE-WORLD CLASS COMPETITION provides five competitive events. Graphics, animation and realistic game play make it exciting for you to try and capture the gold. Allows for one to six players.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 128K | \$14.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 128K | \$14.95 |

EPYX, INC.

SUMMER GAMES

ISPN 29575-725

You're an Olympic athlete competing in eight key events at the Summer Games.

How well can you score in track, swimming, diving, skeet shooting, pole vaulting, gymnastics and more. So realistic, there's even an opening ceremony, world records and awards presentations. Change into your running shoes and go for the gold! For one to eight players.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$19.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |

AVALON HILL GAME CO./MICROCOMPUTER GAMES, INC.**SUPER SUNDAY****ISPN 06350-880**

Play one of several post Super Bowl games.

SUPER SUNDAY's play calling is re-enacted on screen by all 22 players. You can use this game with the '84 Season Disk (ISPN 06350-881), the '85 Season Disk (ISPN 06350-882), the Champions Disk (ISPN 06350-84) and the General Manager Disk (ISPN 06350-885). Provides accurate stats of seasonal performances for teams.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 64K | \$19.99 |

MINDSCAPE, INC.**SUPERSTAR ICE HOCKEY****ISPN 54375-638**

Play center or goalie as you experience graphic hockey action.

SUPERSTAR ICE HOCKEY starts you at face-off and doesn't let up until the end of the season. You oppose the computer, another player or team-up with another player against the computer. Pass, check, lift shots and block as the center or make glove saves, stick saves and slide across the front of the goal as the goalie. Name your team, locate it in a division, set the season length and start your team on the road to the SportTime Cup playoffs as coach or general manager. Allows one or two player. Lets you, as coach, totally manage the team, make trades, recruit and run training camps.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 5 1/4-inch disk | 64K | \$44.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$34.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA.</i> | 5 1/4-inch disk | 256K | \$39.95 |
| ATARI 1040ST, 520ST | 3 1/2-inch disk | 512K | \$49.95 |

CINEMAWARE CORP.**TV SPORTS: FOOTBALL****ISPN 12656-300**

Provides real arcade action on offense and defense and individual and team statistics.

TV SPORTS: FOOTBALL lets you play a 28-team, 16-game schedule, with post-season playoffs.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |

THUNDER MOUNTAIN, DIV. OF MINDSCAPE

WINTER CHALLENGE-WORLD CLASS COMPETITION

ISPN 81712-944

Go for the gold in five events: Ski jump, bobsled race, giant slalom, downhill race and biathlon.

WINTER CHALLENGE-WORLD CLASS COMPETITION's on-screen clock is ticking. Can you take the gold in all five events of the day? Allows one to six players.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 128K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.95 |

EPYX, INC.

WINTER GAMES

ISPN 29575-870

Bobsled, ski jump, figure skate, free style skate, aerial and finish the biathlon on your way to a medal.

WINTER GAMES plays the national anthem, and then the eyes of the stadium descend on you. You'll careen along the walls in the Bobsled event, control your form in flight in the Ski Jump, make transitions on the mark in Figure Skating, choreograph your own routine in Free Style and hot dog it in Aerials. After all that, the Biathlon waits to draw the air from your lungs and the spring from your legs. Allows from one to eight players.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$19.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$19.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| ATARI 520ST | 3 1/2-inch disk | 64K | \$19.95 |

ACCESS SOFTWARE, INC.

WORLD CLASS LEADER BOARD

ISPN 00525-600

Take on the traps, trees and hazards of four courses: St. Andrews, Doral Country Club, Cypress Creek and Gauntlet Country Club.

WORLD CLASS LEADER BOARD puts three real courses and a fourth 'killer' course (the Gauntlet Country Club), within range of your keyboard. The Gauntlet is for you only after you have mastered the other three courses. You can even construct an entire course by changing the size of traps and water hazards, moving or adding trees, relocating fairways and making greens larger or smaller. Contains a course editor for rearranging holes, provides a driving range and a putting green and offers a scoreboard printout.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 64K | \$39.95 |
| APPLE IIGS <i>Requirements: Joystick.</i> | 3 1/2-inch disk | 512K | \$39.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: Joystick.</i> | 3 1/2-inch disk | 512K | \$49.95 |

EPYX, INC.

WORLD GAMES

ISPN 29575-880

The Olympics aren't the only games in town: 'Go for the gold' in this variety of international sports.

WORLD GAMES begins in Russia, where you'll strain your delts and pecs in Weightlifting. You'll then travel to Germany for Barrel-Jumping as you skate as fast as you can to jump over as many barrels as you can tackle. After the cold of the Northern Hemisphere, you'll move to the warmth of the South, where you'll Cliff-Dive in Acapulco. It's back to the North for you to participate in French Slalom Skiing, and then off to another French-speaking region, Canada, where you'll try Log Rolling. Bull Riding in America will give you no break, and Caber Tossing in Scotland might finish you off, but waitthere's still Japanese Sumo Wrestling.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$20.00 |
| APPLE IIGS | 3 1/2-inch disk | 128K | \$20.00 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$20.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$20.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$20.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$20.00 |

ELECTRONIC ARTS

WORLD TOUR GOLF

ISPN 28512-850

Tee off at St. Andrew's Pebble Beach, or other world famous golf courses.

WORLD TOUR GOLF even includes the dampness of the green as a factor in your putts. You'll be playing against up to three human or computer opponents. You'll find yourself compensating for everything from wind conditions to the lie of the ball. Provides both an overhead and eye-level view of the course. Allows you to practice at the driving range or the putting green. Lets you design your own course.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.95 |

Requirements: CGA, EGA, or Hercules Graphics Adapter.

550 ENTERTAINMENT/STRATEGY

BOX OFFICE SOFTWARE

\$100,000 PYRAMID (THE)

ISPN 08327-050

'Strike it rich' as the newest contestant in the hottest word-association game.

THE \$100,000 PYRAMID provides hours of entertainment as you race against time to identify the objects and categories from the clues given. Match wits against the computer or with up to three other players as you try to answer the puzzles before your

time runs out. Win the first round and enter the coveted 'winners circle' for a crack at the grand prize of \$100,000.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$14.99 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$14.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.99 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$14.99 |

BRODERBUND SOFTWARE, INC.

ANCIENT ART OF WAR

ISPN 08850-015

Carry out entire military campaigns (not just battles) as you choose an army and challenge a military genius.

ANCIENT ART OF WAR turns the expression 'you can win the battle but lose the war' into a computer truth. You position yourself, plan your marches and plot troop movements on detailed command maps. Once your strategy is set, zoom in and command each battle on the actual terrain. Injects six legendary opponents as well as a game generator for your own conflicts. The package includes a strategy guide on the wisdom of Sun Tzu and other historic military strategists. Provides 11 different campaigns with an easy menu-driven system to control troop movement. Lets you design an endless number of new conflicts.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$44.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$44.95 |
| <i>Requirements: CGA.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$44.95 |

MINDSCAPE, INC.

BALANCE OF POWER

ISPN 54375-036

Players can be the American President or Soviet General Secretary, and must maintain the balance of power and prevent World War III.

Features include advanced artificial intelligence routines that create a versatile and varied computer opponent, and four increasingly challenging levels of play for one or two players. As the President of the United States or General Secretary you will manage overt and covert actions, insurrection and political deceptions, divisions of troops and diplomatic efforts. Your nation's prestige will either rise or fall. The user is allotted only eight years in which to win. Includes a program disk, a back-up disk, a user's manual, and a teacher's guide. Lab pack includes five disks.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$54.95 |
| <i>Requirements: Color monitor.</i> | | | |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$49.95 |
| <i>Requirements: EGA.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$54.95 |
| <i>Requirements: EGA.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 64K | \$39.95 |

MINDSCAPE, INC.**BALANCE OF POWER-THE 1990 EDITION****ISPN 54375-200**

Players can be the American President or Soviet General Secretary and must maintain the balance of power and prevent World War III.

Features include advanced artificial intelligence routines that create a versatile and varied computer opponent, and four increasingly challenging levels of play for one or two players. As the President of the United States or General Secretary of the U.S.S.R., you will manage overt and covert actions, insurrection and political deceptions, divisions of troops and diplomatic efforts. Your nation's prestige will either rise or fall. The user is allotted only eight years in which to win. Includes 18 more countries than are included in Balance of Power (ISPN 54375-036), an updated database, an on-screen crisis advisory panel, and a complex multi-polar level where minor countries pursue active foreign policies.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 640K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 640K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |
| ATARI 1040ST, 520ST | 3 1/2-inch disk | 512K | \$49.95 |

INTERPLAY**BATTLE CHESS (VER. 1.0)****ISPN 40260-100**

A 3-D animated chess game where medieval figures combat each other.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$49.95 |

INFOCOM, INC.**BATTLETECH: THE CRESCENT HAWK'S INCEPTION****ISPN 37413-175**

As Jason Youngblood you have to defend your planet against an invasion which has the potential to destroy it.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$49.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$49.95 |

MINDSCAPE, INC.**COLONY**

ISPN 54375-039

Players must discover what has happened to this once thriving space colony and rescue survivors from aliens that overran the planet.

COLONY provides 3-D animation and a complete, unrestricted world to explore. Players can navigate down corridors and around corridors in one continuous motion. Blast away aliens as they come into view with smooth, hidden surface animation. There are no boundaries, no dead-ends to impede you in your quest to unravel the Colony's mysteries. There is no text or typing. Users navigate, manipulate objects, and fire upon adversaries using the mouse. An entire planet is yours to explore, complete with your multi-room spaceship, the six labyrinthine level colony and hundreds of aliens.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 640K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |

MINDSCAPE, INC.**CROSSWORD MAGIC-CONSUMER VERSION**

ISPN 54375-045

Create customized crossword puzzles that you can use over again. Includes graphics and printing function.

CROSSWORD MAGIC gives you an interesting way to study any subject at any level - by making crosswords of its terms. For additional information, contact the publisher.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 48K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 48K | \$49.95 |

INTERSTEL CORP.**EMPIRE**

ISPN 21751-300

Command your invasion forces in a full-scale planetary war, with millions of worlds to conquer.

EMPIRE's strategic level conflicts give you all the duties of a warlord in an all-out clash of empires. Send teams of experts planetside to unite cities, build forces and direct land, sea and air battles. Build forces and direct land, sea and air battles. Build forces using armies, fighters, submarines, destroyers, carriers and cruisers. Allows you to build your own worlds randomly or by design. Allows one to three players, keeps permanent battle records for each player, offers over 30 commands and gives you an artificial intelligent opponent.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$49.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$49.95 |

Requirements: CGA, EGA.

ELECTRONIC ARTS**GRAND SLAM BRIDGE****ISPN 28512-058**

Enables the user to play solitaire, practice communication skills with a partner or play with three humans and a computer fourth.

Computer opponents can be set at three different levels of aggressiveness. High computer intelligence gives them a good offensive and defensive repertoire including finesses, ruffs, sloughs, card counting, and suit preference signals. The program automatically employs Blackwood, Gerber and Stayman, and uses weak jump overcalls and pre-emptive bids. Make a choice between weak 2-bids, four or five card majors and more. The computer can deal every possible bridge hand. The player user may practice on problems areas or specify the kinds of hands desired: Slam hands only, games only or no-trump only.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$59.95

MICROPROSE SOFTWARE**GUNSHIP****ISPN 53025-280**

You fly an AH-64 with true to life flight controls, instrumentation and weapons systems.

GUNSHIP puts you in the helicopter pilot's seat with multiple weapon and navigation systems, an outstanding joystick flying system and revolutionary new 3-D graphics that enable the helicopter pilot to maneuver among and between multiple buildings and terrain environments with the effects of high speed flight. You must use real helicopter flying skills, the integrated helmet targeting system (IHTS), the gun tracking modes and your air-to-air missiles as you embark on one of seven different missions. Your mission will involve anti-tank sorties, rescue missions and convert operations in an exciting adventure into the world of attack helicopter pilots. Supports Hercules Monochrome Graphics Adapter.

SYSTEM

COMMODORE 64/128

COMMODORE AMIGA 500, 1000, 2000

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: CGA or EGA.

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: CGA or EGA.

ATARI 1040ST, 520ST

MEDIUM

5 1/4-inch disk

3 1/2-inch disk

5 1/4-inch disk

3 1/2-inch disk

3 1/2-inch disk

MEMORY

48K

512K

256K

256K

48K

PRICE

\$39.95

\$54.95

\$54.95

\$54.95

\$54.95

ACCESS SOFTWARE, INC.**HEAVY METAL-MODERN LAND COMBAT (VOL. 1)****ISPN 00525-006**

Start as a Second Lieutenant and fight your way up to high rank.

HEAVY METAL-MODERN LAND COMBAT gives you a tour of a modern battlefield, from HQ to tank hull. You'll start at the tactical course center where you devise and implement a strategy to overtake the enemy. Once you've created your plan, you move to the front line as the commander of one of three weapons systems: The M1 A1

Abrams, the Martin Marietta ADATS or the XR 311 FAV. The Abrams will demonstrate the capabilities of the Army's top-of-the-line main battle tank, the ADATS (Air Defense Anti-Tank System) will show you how to deal with air and ground attacks from a forward supply station and the FAV can move at 100 miles per hour and launch two missiles.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| COMMODORE 64/128 <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$44.95 |

DATASOFT/INTELLICREATIONS, INC.

HUNT FOR RED OCTOBER

ISPN 23850-410

Command a Russian sub in a bid to defect to the United States. Recreates the suspense of the best-selling book.

HUNT FOR RED OCTOBER maps an entire Atlantic ocean for you to cross in your bid for freedom. You'll go from the Reykjanes bridge in Iceland to a naval rendezvous on the eastern seaboard. You must avoid detection by both Russian Navy and Nato forces. If your commanders realize your intention, they will do anything to stop you, including sinking your prize sub. You can navigate with the aid of a sonar-generated contour map of the seabed, even superimpose a sonar sweep over the map to show your sub's position in relation to Nato and Russian fleets. Go ahead and raise the periscope to get full detailed views of all vessels in the immediate area and access the recognition charts to identify each ship that comes into view. If you like, use the main display window for an overall picture of the Atlantic. Use either the diesel or the nuclear engines combined with prop drives for speed or try a caterpillar drive for silent running. A message window will relay all of your status and radio messages.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIGS <i>Requirements: Mouse, or joystick.</i> | 3 1/2-inch disk | 512K | \$49.95 |
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Mouse, or joystick.</i> | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE 64/128 <i>Requirements: Joystick or mouse.</i> | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Joystick or mouse.</i> | 5 1/4-inch disk | 256K | \$49.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

BOX OFFICE SOFTWARE

MILTON BRADLEY: CHESS, CHECKERS & BACKGAMMON

ISPN 08327-500

Pit your wits against the computer or invite a friend to play Chess, Checkers and Backgammon.

MILTON BRADLEY: CHESS, CHECKERS & BACKGAMMON offers three great entertainment games in one package. In CHESS, match your wits against the master computer or another opponent in one of the oldest and most popular games in history. Skill, patience and cunning are a must for this game. In CHECKERS, you must capture your opponents game pieces in the board game that is played and loved by all ages.

Plan your strategy and move wisely to take the match. BACKGAMMON requires a combination of strategy, skill and luck to win this ancient Indian board game.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS
 IBM/MICROSOFT PC/MS-DOS 2.0+
 IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk
 3 1/2-inch disk

MEMORY

64K
 256K
 256K

PRICE

\$14.95
 \$14.95
 \$14.95

VIRGIN MASTERTRONIC INT'L, INC.

MONOPOLY

ISPN 47643-525

A computerized version of the original board game. Calculates rent, arranges mortgages, conducts auctions and acts as a banker.

MONOPOLY utilizes the authentic city street names, tokens and Chance and Community Chests. Allows players to amass or possibly lose fortunes by buying and selling railroads, utility companies and properties of all types. Play against computer opponents, with human opponents or a combination of both. Features a time clock and quick move option, a complete musical score and superb color graphics. Designed for one to eight players.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$29.95

ELECTRONIC ARTS

PATTON VS. ROMMEL

ISPN 28512-099

The Allies have a fingernail-hold on the beach. It's D-Day and you as Patton or Rommel must push your troops to victory.

PATTON VS. ROMMEL will let you make or re-make history. You control all the infantry, armor and air support available to establish or repulse the invasion. Weather, incomplete reconnaissance and morale are all important to your success. Includes 150,000 locations and a vast, accurate scrolling map.

SYSTEM

COMMODORE 64/128
 IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk
 5 1/4-inch disk

MEMORY

64K
 256K

PRICE

\$14.95
 \$14.95

SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.

PT-109

ISPN 75175-550

Take the PT boat, WWII's most daring vessel, on Pacific and Mediterranean hunts.

PT-109 takes you into some of the hottest ship combat of WWII. Your arsenal includes torpedoes, cannon, rockets, depth charges and machine guns. To direct them you have four 90-degree ocean views and a binocular view for distance ranging. To use them properly, you'll have detailed maps and damage reports and a panel of controls and gauges. To judge their effects, you'll see life-like explosions and sound effects. Just in case you miss, you'll have recourse with smoke screens and flares. The 'skipper' gives

instructions on the PT boat before a mission. Includes four theaters of operations. go to the Solomons, Philippines, New Guinea or the Mediterranean. Get radio assistance from friendly PT's or troubled planes. Allows games to be saved and offers a practice mode.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$29.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$39.95 |
| <i>Requirements: CGA, EGA, or VGA.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |

INFOCOM, INC.

QUARTERSTAFF

ISPN 37413-150

You have been recruited for a brave mission to discover 'what fate has befallen the gentle souls' of the Tree Druid colony.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$49.95 |

SPINNAKER SOFTWARE

SARGON III

ISPN 75300-041

Chess for players of all ages, interests and skill. Includes nine levels of play, 68,000 moves, novice instruction and brain teasers.

The game can be saved to disk to be played later. The move list or game board can also be printed. A mouse is used to move chess pieces. Includes pull-down menus to select options and features. SARGON III enables the player to replay any of the world's 107 greatest chess matches and review 45 classic chess problems, all on-screen.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$19.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$24.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 128K | \$49.95 |

MEDIAGENIC/SOLID GOLD SOFTWARE

SHANGHAI

ISPN 48693-500

Captivating strategy challenge devised from the ancient Chinese game of Mah Jongg.

SHANGHAI might do just that - shanghai your attention for hours on end. You will encounter 144 tiles in seven visually different suits, each one stacked in a five-level, dragon-shaped pyramid. You will remove the tiles in pairs until all have been removed or no more can be matched. You can remove tiles only at the left and right edges of the pyramid - see how successfully you combine strategy with memory and luck. Allows multi-player tournaments, head-to-head matches against the clock and even solo play.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE IIGS <i>Requirements: Mouse.</i> | 3 1/2-inch disk | 512K | \$19.95 |
| COMMODORE 64/128 <i>Requirements: Joystick.</i> | 5 1/4-inch disk | 64K | \$14.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 800K disk drive.</i> | 3 1/2-inch disk | 512K | \$19.95 |

SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.

SOKO-BAN

ISPN 75175-666

Master the motions of your 'Soko-ban', a box-moving warehouseman.

SOKO-BAN is Japanese for warehouseman, and long on-planning and strategy. Maneuver boxes to a designated area with the smallest number of moves possible. For additional information, contact the software publisher. Supports joystick or keyboard control, has an edit mode which lets you create mazes and save them and offers a tournament mode, so up to four can compete. Has a tournament board which lists players scores, lists levels completed, maze levels and points. Saves games and tournaments to disk. Contains 50 levels of predesigned mazes.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$29.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$34.95 |

SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.

SOLITAIRE ROYALE

ISPN 75175-610

Play Solitaire's Pyramid, Golf, Klondike, Canfield, Corners, Calculation, three Shuffles and a Draw and Reno.

SOLITAIRE ROYALE turns solitaire into more than a solo game. You can take the 'tour', all eight games, with any number of other players for competition. You may directly challenge an opponent in any game (highest scorer wins). Try to get one of the top five scores and yours will be recorded and displayed. Combines all eight games into a 'tour' which lets you compete with yourself or others. Allows any number of players to play in competition and gives each player the same number of cards. Includes three children's games - Concentration, Pairs and The Wish.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 <i>Requirements: Kickstart 1.2 or above.</i> | 3 1/2-inch disk | 512K | \$34.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA or EGA.</i> | 5 1/4-inch disk | 256K | \$34.95 |
| APPLE MAC II <i>Requirements: 800K double-sided disk drive.</i> | 3 1/2-inch disk | 1024K | \$34.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: 400K single-sided disk drive.</i> | 3 1/2-inch disk | 512K | \$34.95 |

SPECTRUM HOLOBYTE, DIV. OF SPHERE, INC.

TETRIS

ISPN 75175-650

Manipulate odd-shaped pieces into position as they descend from the top of the screen to the bottom.

TETRIS is the first game ever to come out of the Soviet Union. You must rotate a piece shaped from four squares so that it fits precisely to form a solid horizontal row. When you have completed ten rows, you move to a higher level. Offers nine levels of play and five heights to start from. Provides on-screen help and displays colorful background graphics. Allows you to replay the previous game.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE IIGS | 3 1/2-inch disk | 512K | \$39.95 |
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 48K | \$39.95 |
| <i>Requirements: 128K required for IIE, IIC and IIGS.</i> | | | |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$24.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$34.95 |
| <i>Requirements: Kickstart 1.2 or higher.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$34.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$34.95 |
| APPLE MAC II | 3 1/2-inch disk | 1024K | \$39.95 |
| <i>Requirements: RGB color monitor.</i> | | | |
| ATARI 1040ST, 520ST | 3 1/2-inch disk | 512K | \$34.95 |
| <i>Requirements: Color monitor.</i> | | | |

ORIGIN SYSTEMS, INC.

TIMES OF LORE

ISPN 58793-200

You face unending challenges and combat in a world teeming with evil assassins, mystical wizards and fearsome creatures.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$39.95 |

INFOCOM, INC.

ZORK ZERO

ISPN 37413-125

Covers a century of time and explores the collapse of the great underground empire. Has as many puzzles as the entire Zork Trilogy.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| COMMODORE AMIGA 500, 1000, 2000 | 3 1/2-inch disk | 512K | \$59.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$59.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$59.95 |

805 SYSTEMS/ARTIFICIAL INTELLIGENCE/EXPERT SYSTEMS

SOFTSYNC, INC.**SUPER EXPERT****ISPN 72240-601**

Features an example-based expert system shell using a spreadsheet like interface.

Allows users with no previous artificial intelligence or programming experience to design expert systems. Features include: Run-time modules, problem description screen, forward chaining, automatic induction, backward chaining, option screen and a full text editor. Includes tutorials and sample applications plus a user's manual. Can be used for financial analysis, medical diagnostics, engineering diagnostics, training, and technical support. Contains a natural language inquiry system. The IBM version imports from Lotus 1-2-3 (ISPN 45525-050), dBASE (ISPN 05500-160) and ASCII CSV files. The Macintosh version uses Macintosh for user-friendly query.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$199.95 |

Requirements: 800K disk drive.

BORLAND INT'L.**TURBO PROLOG (VER. 2.0)****ISPN 08225-090**

Includes a compiler, an interactive editor, full I/O capabilities, a type system and graphics- and text-windowing support.

TURBO PROLOG is a natural deductive language and a complete programming environment. Includes GeoBase, a natural query language database. Novice programmers can use it to design 'expert' systems. The user sets the ground rules for data analysis by teaching the system the topic specific rules, and using its powerful problem-solving capabilities PROLOG 'thinks' the problem through. Provides an external database system for developing large databases and supports B+ trees and EMS (Extended Memory Specification). Includes powerful exception handling and error trapping. Includes source code to a fully-featured Prolog interpreter. Provides full compatibility with Turbo C (08225-151) so the two languages call forward or backward freely. Includes a 350 page tutorial and is not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$149.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$149.95 |

815 SYSTEMS/COMMUNICATIONS/SYSTEM EMULATION

ABOVE SOFTWARE**ABOVE DISC****ISPN 00364-100**

Allows users to access extended memory beyond 640K or hard disk space as expanded memory up to 32MB. Follows LIM Spec. 3.2 and 4.0.

ABOVE DISC transforms into usable RAM all the memory available on a system's motherboard, IBM memory expansion adapters, third-party extended memory cards, even the memory capacity of the hard disk itself. The program can boost expanded memory up to 32 megabytes. Primary applications are spreadsheets, database management and memory-hungry programs. Allows the use of the hard disk or a network drive to create expanded memory on PCs that don't have extended memory, or on network workstations without hard disks. An installation program copies the files onto the hard disk and automatically detects the best configuration of Above Disc for that machine. Contains EMSFREE, a program that allows users to unload Above Disc from memory, reconfigure it with the install program, and reload Above Disc without rebooting. The EMSTEST program provides full expanded memory diagnostics including: A utility that displays the expanded memory manager's status to inform the user whether or not Above Disc is resident in memory, the LIM version of the driver and other status items. A memory resident (TSR) EMS function call monitor that can be used to determine if an application program is using EMS correctly. A built-in text editor for modifying the autoexec.bat and config.sys files. A utility for displaying the amount of memory installed in the computer (conventional and extended) as well as notifying the user as to which areas of memory are available for placing the EMS 64k page frame. Allows users to instantly view Above Disc's configuration without having to go into the installation program. Provides a memory dump utility that displays the contents of both conventional and extended memory. The EMSHIDE and EMSUNHID programs allow Above Disc to be temporarily disabled but left in memory. Above Disc can use as little as 2K of conventional memory on a 80286 machine without any special hardware.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 3.1+

3 1/2-inch disk

512K

\$99.95

IBM/MICROSOFT PC/MS-DOS 3.1+

5 1/4-inch disk

512K

\$99.95

UNITED SOFTWARE INDUSTRIES**ASCII EXPRESS 'MOUSETALK'****ISPN 83732-110**

Contains a mouse-based advanced telecommunications package with full-screen text editor, dial and answer features and more.

Employs intuitive commands that alleviate the need to learn and memorize complicated keystrokes. Uses a simplified yet powerful macro language to automate even the most complex communications functions. Contains a global help mode to fully explain all the options available, as well as context sensitive help available anywhere in the program. Features a built-in full-screen text editor that allows the user to modify incoming or outgoing messages whether on-line or off and includes features such as cut, paste, find and find next. Supports VT100, BINARYII, XMODEM CRC, 1K XMODEM CRC, 4K XMODEM CRC and full RAM support. Mouse is optional. Standard Communication features include: Large 33K editor/copy buffer which allows retroactive examination of

greater than four screen pages of text; Copy to Clipboard, Copy to File and Copy to Printer can be active for selected text; Find and Find Next search functions; high speed screen operation to 9600 bps; Input and Output flow control throughout program to ensure no loss of data; and Terminal Emulation supports many popular terminal types. Full Screen Editor features include: Open a file; Read in a file at current cursor location; Text selection with Copy, Paste, Clear, Fill, Copy to File and Copy to Printer; Find a string (either forward or backward); Find Next occurrence; Print entire editor contents, Close a file; Save and Save As; Revert to last saved and Show Clipboard. File Utility features include: Catalog, Set prefix, Show volumes on line, Delete files, View files and Rename files. Help is available at all times for each command and a global help mode responds to MOUSETALK menu selections with help messages. Dial features include: Dial and re-dial; Hang-up; Execution of a session which loads a session, dials a number, and sets all program parameters and auto-log, and Sessions can be executed directly from ProDOS for complete 'turnkey' operations. Answer features include: Password protection and selective access to volumes/pathnames; Optional welcome message available at log-in; Answer mode can operate fully unattended; Send and receive ASCII text; Send and receive files using XMODEM (Christensen) error-free protocol; Chat with local operator, and Local operator has full mouse control. Session and Macro features include: Load; save and edit sessions (macros); Sessions can automate both dial and answer operations; Match strings (including multiple matches); Send strings; Execute an internal program command and Control standard ASCII and protocol transfers including X modem CRC, I R X modem CRC, 4 K X modem CRC, and binary II. An extensive Install Program features built-in utility for formatting or copying the MOUSETALK master diskette and files to another diskette or hard disk and allows selection of computer, communications card, printer card, external modem and print parameters. The major program will support all popular serial or parallel interface cards for printer and modem and will also support Hayes compatible smart modems. ASCII EXPRESS 'MOUSETALK' is not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS <i>Requirements: Apple E needs an enhancement kit.</i> | 5 1/4-inch disk | 128K | \$119.95 |
| APPLE IIGS | 3 1/2-inch disk | 128K | \$119.95 |

UNITED SOFTWARE INDUSTRIES

ASCII EXPRESS II-THE PROFESSIONAL

ISPN 83732-100

Provides an extensive macro library for unattended call-up and receiving of information up to speeds of 9600 baud.

It has a text editor for composing messages without a word processor, and supports a full range of 80-column boards and printer interfaces. It allows the sending of electronic mail, and has the ability to emulate over a dozen different terminals. Screen menus ease your way through a detailed chain of commands. You can easily custom design a system of macros from a special file to save hours of keystrokes by automatically programming complex sequences of commands. Other features include: auto-dial, access to program commands on line and off line, built in text editor, full terminal emulation, unattended operation, supports xmodem and modem 7 protocol file transfer, returns to operating system without hangup and supports Deaf TTY baudot. This program supports all popular 80 column cards and external terminals. Modem support: Anchor A. Mark XII, Als dispatcher, Apple Communication card and Super Serial Card, Apple Modem 300/1200, Apple III in Apple II emulation mode, Bit 3 Dual Communication Plus Card, Ccs 7710/7711 series, Esi Lynx, Hayes Micromodem II and IIE, Hayes Smartmodem 300 and 1200, mbi vip interface card, Multi-tech Modem II. Modem support

continued: Novation Apple-cat and Apple-cat 212 option, Novation Smart cat 1200, Ssm aio, Asio cards, U.S. Robotics Modem, Ventel 212a, Prometheus Versacard, Videx ps10 serial parallel card, Volksmodem and most popular Hayes compatible modems.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$129.95 |

DYNAMIC MICROPROCESSOR ASSOCIATES

ASCOM IV (VER. 1.41)

ISPN 27200-135

Allows PC to PC, PC to mini and PC to mainframe communication for IBM and compatibles.

Allows user to solve all client communications needs with a single package. Provides a system of menus that allows performance of any communication task, from setting parameters to performing a complete file transfer, with a touch of a key. Includes these features: Dial directory - with the touch of a key, connect and log onto commonly used databases and timesharing services; an electronic bulletin board - user's computer serves as a complete message center; context sensitive on-line help facility - quickly finds all the information needed; terminal emulation - the customizing process includes features to handle both standard and non-standard protocols, configure ASCOM IV for any asynchronous modem, develop security systems that control access to communications networks, automatically dial and log onto on-line services, automatically set parameters without a menu, and perform complex file transfers. Modems supported include Hayes, Concord Data Systems, Universal Data Systems 212 A/D, MultiTech, Inmac, Qubie, Penril 2400, Codex, and Bell 212.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$195.00 |

SOLUTIONS INC. (VT)

BACKFAX (VER. 1.02)

ISPN 74437-040

Provides background communications for the Apple Fax modem.

Transmits documents in background mode, allowing users to continue to use their system instead of waiting for transmission or reception to end. Allows the scheduling of time for sending documents. Users can create customized cover sheets.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$245.00 |
| <i>Requirements: 800K disk drive, Apple Fax modem.</i> | | | |

MICROCOM SOFTWARE DIVISION

CARBON COPY PLUS (VER. 5.0)

ISPN 49118-175

A remote control package which allows a PC user to access and control a distant PC by operating asynchronously over phone lines.

CARBON COPY PLUS contains terminal emulation and background file transfer capabilities which allow the user to access information databases such as Dow Jones,

Compuserve, Source, OAG, Lexis and Westlaw. Other capabilities include the transmission and reception of telexes from around the world, file transfer facility with data compression, operation over asynchronous dial-up link or direct PC to PC connection through serial ports, log file with full audit trail, dial back security and access PC-DOS without losing data link. In addition, it contains remote keyboard enable and disable, remote printer support with conversion utility, support of interactive graphics, switching back and forth between voice and data, with movable chat windows for conversation and the ability to run all major software remotely. Has point and choose menus, command language, compatibility with Crosstalk script files, addition of X-Modem and Kermit file transfer protocols and terminal emulation capabilities. Other features include: Synchronized video displays; control over users having access to file transfer; 40 programmable function keys; auto reboot delay for five minutes after involuntary delay; auto call-auto script file execution; on-line terminal emulator configuration screen; point and choose call table; interactive graphics for Hercules, EGA, VGA, CGA and PS/2 Model 30 extended CGA; look back window; and increased modem support. Offers Comm 3 and Comm 4 support, playback feature for analysis of all keystrokes made, remote emulation with IRMA and Smart Alec boards and honors path command. Technical support available at (203)798-3900.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Modem.</i> | 5 1/4-inch disk | 256K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Modem.</i> | 3 1/2-inch disk | 256K | \$195.00 |

NORTON-LAMBERT CORP.

CLOSE-UP SUPPORT/ACS & CLOSE-UP CUSTOMER/TERMINAL

ISP 57275-050

A remote program that allows the user to run any program on a distant PC and have full control and view of another computer.

CLOSE-UP lets two computers, both in different locations, operate simultaneously as if they were one computer. The host computer is free to operate normally. It can run word processors, spreadsheets, databases and accounting programs. Remote order entry and point-of-sale allows field offices or outside sales personnel to call into the central computer, pull up a customer's history, check inventory and place orders. The factory can ship and invoice the same day. You can call from any location and CLOSE-UP puts you within reach of your computer information. Allows you to access information databases such as Dow Jones, CompuServe and The Source, or send electronic mail through MCI. Transmit and receive telexes with ITT, Western Union or RCA. Automatically dials, redials and logs on to services. Enables you to run inventory consolidation from multiple sites, make updates in files or programs and gather and transmit electronic mail to and from remote offices at night.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Customer/Terminal system.</i> | 5 1/4-inch disk | 44K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Support/ACS system.</i> | 5 1/4-inch disk | 44K | \$245.00 |

NORTON-LAMBERT CORP.**CLOSE-UP/LAN (VER. 3.0A)****ISPN 57275-150**

Allows user to take control or view the actions of any workstation on a LAN.

CLOSE-UP/LAN completes a network's promise of total connectivity, bringing people and PC together. Now one PC can instantly share screens and keyboards with another PC or simultaneously with all PCs up and down a network. You can connect with an associate or many associates on your LAN and work together on popular business programs such as spreadsheets, wordprocessors, databases or accounting programs. Or you can connect with computer hardware and peripherals on your network. Acts as a terminal or 'window' viewing and/or controlling the host computer. Viewer runs in the background or foreground. The host side always runs in the background on the machine where the application is being run. The host program is viewed and controlled by the viewer program.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 64K | * |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 64K | * |

DCA/CROSSTALK COMMUNICATIONS**CROSSTALK MK. 4 (VER. 1.1)****ISPN 53450-095**

Handles a wide range of communications needs including modems and serial devices and supports NETBIOS and NASI proto cols.

CROSSTALK Mk.4 also handles IRMA and Smart Alec emulation cards. It is a communications program which includes a powerful programming language that may be used to automate routine tasks or design menu-driven front end systems. A multi-session capability allows a user to have up to 15 sessions running at a time. These sessions may be with any of the supported devices. When used with an Asynchronous Communications Server, the program can share modems on a network. CROSSTALK Mk. 4 emulates 20 of the most popular terminals including: DEC VT-320, VT-220, VT-100, VT-52; TeleVideo 920/950; IBM 3101 and others. The program may be command or menu-driven and supports most popular asynchronous full-duplex modems. Supports a wide range of file transfer protocols including: CROSSTALK, DART, XMODEM, XMODEM, ZMODEM, CompuServe B+ and text file uploads and downloads. Technical support is available at (404)998-7798.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$245.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$245.00 |

DCA/CROSSTALK COMMUNICATIONS**CROSSTALK XVI (VER. 3.7)****ISPN 53450-150**

Provides PC to PC, PC to mini and PC to mainframe connectivity. Supports terminal emulation and file transfer.

*Price varies.

CROSSTALK XVI lets you use your PC as a terminal to another computer. Emulates terminals including the DEC VT100, VT52, TeleVideo and IBM 3101. Supports popular file transfer protocols including XModem and Kermit. Includes a feature that lets the program operate in the background while you use the PC for other tasks such as word processing or spreadsheets. A script language automates routine functions such as checking electronic mail and logging on. Plain ASCII text upload/capture is also supported. Features a help system.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$195.00 |

DCA/CROSSTALK COMMUNICATIONS

CROSSTALK XVI-NETWORK (VER. 3.62)

ISPN 53450-160

Designed to allow access to modems residing on a server from a workstation within the networking environment.

CROSSTALK XVI-NETWORK brings the features of CROSSTALK XVI to the network environment. When used with an Asynchronous Communications Server this program can share modems on a network. Users may allow their PC to emulate popular terminals including: DEC VT-100, VT-52; IBM 3101; TeleVideo 910/920; and TI 940. File transfer is supported using the CROSSTALK protocol. XMODEM and KERMIT protocols are included. Script files may be written to automate logging on to a particular computer. Supported under NetBIOS. Technical assistance available at (404)998-7798.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 256K | \$600.00 |

Requirements: Asynchronous Communication Server Program.

DAYNA COMMUNICATIONS, INC.

DAYNAMAIL

ISPN 91221-200

An electronic mail application for Macintoshes and PCs on AppleTalk networks.

DAYNAMAIL allows Macintosh and PC users to send and receive messages across local area networks such as DaynaNet (ISPN 91221-205), AppleShare, Tops, and NetWare for Macintosh. Can be used as a server-based or node-based application, so it works equally well over file server-based or distributed networks. Automatically sorts your incoming mail by person, date and topic. Alerts you when you receive urgent or registered mail that requires your immediate attention. Files replies with the original message so that a running conversation is kept of an entire exchange. DAYNAMAIL gives you a personal address book in which to enter the people and work groups you correspond with. You can import an entire address book full of names or export your address book for other people to use. Additional features such as the ability to save message drafts for later completion, carbon copy or blind copy, and registered and urgent delivery of mail, increase the ease and flexibility of interoffice communication.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$295.00 |
| <i>Requirements: 5-user pack. Hard disk.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$295.00 |
| <i>Requirements: 5-user pack. Hard disk.</i> | | | |

DAYNA COMMUNICATIONS, INC.**DAYNANET****ISPN 91221-205**

Allows Macintosh and/or PC users to be connected to an AT-compatible server via LocalTalk or Ethernet.

With DAYNANET, a single server can support up to four separate LANs, with like or unlike network topologies. AppleShare client software preserves the familiar Macintosh interface. DAYNANET is a specially adapted version of Novell's NetWare line of products. Tailored for LocalTalk, DAYNANET retains all of the features that have made NetWare the industry standard, including comprehensive administration tools, sophisticated security and advanced print services. DAYNANET is bundled with a DaynaTALK PC card which serves as the LocalTalk network interface card for the file server. Fully compliant with AFP (AppleTalk Filing Protocol) and PAP (Printer Access Protocol), Apple Computer's networking standard that is built into every Macintosh. Entry level DAYNANET versions are easily upgraded from LocalTalk cabling to other cabling schemes and are fully compatible versions of Novell's Advanced NetWare and SFT NetWare.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$1249.00 |

TRAVELING SOFTWARE, INC.**DESKLINK****ISPN 82540-425**

Connects any two computers together by ordinary RJ11 phone wire, allowing sharing of disk drives and printers between computers.

Allows transfer speeds of over 115,000 baud using a single RS232 serial port. Includes a pop-up talk box for two way communications between computers at any time. Provides instant single key stroke switching between local and remote printers. Includes cable and 25 feet of RJ11 phone wire.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 140K | \$169.95 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 140K | \$169.95 |

RUPP CORP.**FASTLYNX****ISPN 67271-202**

A powerful file transfer and device driver utility, incorporating multiple interfaces and allowing program duplication onto a remote.

FASTLYNX is able to transfer data between any two IBM compatible computers - even if one of the machines does not have the FASTLYNX program - by cloning the file transfer program onto the second system. This technique allows the user of a portable computer to transfer files between the portable and any other computer - or between two compatible stationary systems - with only one copy of FASTLYNX and a serial cable. When coupled with Rupp's multiplexing file transfer software, the seven-wire cable allows transfer speeds in excess of 200,000 baud. FASTLYNX is equipped with both serial and parallel device drivers which permit greater transfer speeds. Comes with two cables - a four headed seven-wire serial cable equipped with both nine and 25 pin

connectors on each end and an 11-wire parallel cable. In serial transfer mode, FASTLYNX transfers at a rate of 200,000 baud compared with a speed of 500,000 baud with the parallel cable. Has on-line diagnostic program and an auto port select function. The diagnostic features allow the user to determine the cause of communication problems while FASTLYNX's port selection capability automatically senses which cable is being used to link the two systems. Allows the user to access remote drives and remote printers as well as transfer files or directories within the same system. Includes on-screen indication of the available free space on the machine which is receiving the data and an indication of how much space marked files which need to be transferred will require. The delete function now allows the user to delete directories which are not empty and even an entire nested directory structure, after giving the user appropriate warning and getting user confirmation.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 190K | \$149.95 |

ENABLE SOFTWARE HIGGINS GROUP
HIGGINS EXCHANGE (VER. 1.2)
ISPN 19053-100

A mail manager allowing wide-area communications that provides E-mail transfer between servers on a LAN or between separate LANs.

HIGGINS EXCHANGE also provides E-mail transfer between LANs and remote computers and between Higgins and gateways to other mail systems. Connects the users of PC local area networks into a single electronic mail and message system. Allow users to be organized into workgroups and departments for better group communication. Allows the use of a single electronic mail system to link users on different networks, and LAN's from different vendors. Serves as the hub for Higgins Gateways, which connect Higgins users to other offices systems. Supplies the address and network routing information. Users can select names from lists, organized by workgroups, presented in windows. Users can specify that a message by sent to a printer then delivered from there. Users can send up to 26 other files as attachments to a mail message. These files can be saved in any drive and directory the user has access to, with any name the user chooses. By using 'distributed cooperative processing,' each PC needs to be connected to only a single file server and it will be fully integrated into the company's communication system. This protects against a system-wide failure. If the server for one workgroup is down, the rest of the system will function fully in its absence. HIGGINS EXCHANGE continues delivering mail and saves all messages and delivers them to the server when it is back on the network. Network user lists are kept current automatically. Delivers mail to remotes site through an inter-network capability. Contains a built-in module for using an auto-dial modem. Batch deliveries of messages can be scheduled for remote site. When HIGGINS EXCHANGE relays a message, it delivers only one copy to each workgroup server. The copy is available to the recipients, with full file and record locking. A copy is made when a user wishes to file the message. With HIGGINS EXCHANGE at communication hubs, users can direct messages from one network to another through a third network. Allows wide-area connectivity for the entire Higgins group productivity office system.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 750K | \$695.00 |

ENABLE SOFTWARE HIGGINS GROUP

HIGGINS REMOTE (VER. 2.3)**ISPN 19053-050**

Provides remote electronic mail service to a home office LAN. Contains data sets and mailboxes for five users on single computer.

HIGGINS REMOTE allows users of stand alone and traveling computers to be integrated into a company's communication system. Provides appointment scheduling, client, customer, prospect information files and electronic mail to the home office. Includes a personal filing system with integrated expense reporting and project tracking. Integrates remote users as a part of home office workgroups where Higgins Local Area Network software is installed. The Higgins Mail system automatically establishes the remote user as a part of the home office team, routing all of their mail to the correct LAN. The routing is automatic and transparent to all users. The remote user is automatically sent revised copies of the user list whenever it changes. The user points and picks names from the same list used on the LAN. Allows automatic peer-to-peer communications. Users prepare messages at their convenience 'off-line' from the home office. All messages are gathered and bundled for transmission at the convenient user-designated time. Messages with multiple recipients need only a single transmission. The home office LAN will distribute it. Provides file transfer for spreadsheets, word processing documents, DOS files, and images. Up to 20 files may be included in the 'envelope' with any mail item. Users can create their own distribution lists or use the system-wide list. Allows lists to be nested in lists. Provides a text editor, preview feature, WYSIWYG(what-you-see-is-what-you-get) interface, uses no control keys and allows for the importing of text files. Outputs to a printer or a disk file directly from the editor. Automatically generates the date, time, user name and other text. Attaches and saves DOS files and tracks related messages and files for a correspondence history. Contains a personal calendar. HIGGINS REMOTE will run as a task within the Microsoft Windows (ISPN 53150-736) or Quarterdeck Office System's Desqview (ISPN 64292-100) operating environments.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$395.00

Requirements: 20MB hard disk, Hayes or compatible modem, Higgins Exchange (ISPN 19053-100).

TOPS DIV. OF SUN MICROSYSTEMS**INBOX (VER. 2.0)****ISPN 11962-300**

Allows users on AppleTalk networks, while in an application, to transfer files, create, send and receive phone and E-mail messages.

INBOX lets you send messages and memos, and share files while you are working with other applications. You can respond to and forward messages, and send reminders to yourself. You can also attach files to memos. INBOX notifies visually and audibly of new messages. Eliminates the problem of lost messages. Keeps all messages in one place. Messages can be sent to individuals whose machines are turned off, and be safely stored until they are ready to retrieve them. Also provides a utility to backup message center data files. Provides for a complete address list including bulletin boards. Information can be sent to one person, many people, or all the people on the address list. Routing lists can be created for sending messages and memos to a group of people, and their names can be inserted into the memo you create. An RSVP feature notifies user of the time and date message has been read. The INBOX Message Center and all mailboxes are protected from unwanted intrusions. Mailboxes are password

protected. For the network to run properly, everyone on it must have the same system, finder, and laser drivers. It can be used with bridges to create larger AppleTalk networks. Macintosh package contains the starter kit and software for three users. The price to add additional users for the Macintosh is \$125.00 per user. Users must buy the starter kit before they add additional users. IBM-PC package contains the starter kit and software for two additional users. The price to add additional users for PC's is \$195.00 per user.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$599.00 |
| <i>Requirements: Contains starter kit for three users.</i> | | | |
| 3COM 3+ | 5 1/4-inch disk | 256K | \$599.00 |
| BANYAN VINES | 5 1/4-inch disk | 256K | \$599.00 |
| IBM PC LAN 1.0 | 5 1/4-inch disk | 256K | \$599.00 |
| NOVELL NETWARE 286 2.0A | 5 1/4-inch disk | 256K | \$599.00 |
| <i>Requirements: DOS operating system.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$69.00 |
| <i>Requirements: One user. AppleTalk network. Starter Kit is required.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$249.00 |
| <i>Requirements: Starter kit. 1-3 users. AppleTalk Network.</i> | | | |

TRAVELING SOFTWARE, INC.

LAPLINK MAC (VER. 2.00A)

ISPN 82540-460

Transfers files between a Macintosh and an IBM PC or compatible.

The screen on the IBM or compatible is split into two windows. The window shows the files being worked with and allows file transfer at speeds up to 57600 baud. Allows users to tag files for transfer by date, folder or subdirectory. Compatible with the Macintosh Finder, MultiFinder, and LocalTalk, Tops (ISPN 11962-700), 3Com, and Novell networks. Comes with a special six foot cable with four built-in connectors that work with any version of the Macintosh and any PC or compatible, including the Ps/2's. Includes a Mac 3 1/2 inch disk and 3 1/2 and 5 1/4 inch disks for IBM and compatibles.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 70K | \$139.95 |

LOTUS DEVELOPMENT CORP.

LOTUS EXPRESS (VER. 1.0)

ISPN 45525-077

Allows the user to send and receive graphics, messages, order forms documents and files from any program in a revisable form.

LOTUS EXPRESS runs in the background. Automatically picks up the mail and stores it on the disk. Signals when mail is coming in. Allows access to messages without interrupting the program and files them in electronic folders. Can transfer any file from PC to PC. Sends messages by postal, courier, or telex delivery anytime or anywhere via the MCI worldwide communications network. PROGRAM FEATURES: Runs in the background. Automatically picks up the mail and stores it on the disk. Signals when mail is coming in. Allows access to messages without interrupting the program and files all the messages in electronic folders. Can transfer any file from PC to PC. Sends messages by postal, courier, or telex delivery at anytime or anywhere via the MCI worldwide communications net- work.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 320K | \$150.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 320K | \$150.00 |

WHITE PINE SOFTWARE, INC.**MAC240 (VER. 3.02)****ISPN 86315-100**

A DEC VT240 emulator that provides DEC compatible text and graphics emulation.

Fully emulates DEC's VT125 and VT240 graphics terminals as well as the VT52, VT100 and VT220 text terminals. As a complete VT240 emulator, the program supports Tektronic 4010/4014 terminal standards. Provides users with error-free file transfer capabilities from Macintosh-to-Macintosh or from Macintosh-to-DEC host systems. Works with software such as ALL-In-1, Datatrieve, DECslide, DECgraph, RS/1, 20/20, SASgraph. Graphics generated with host-based software can be displayed on the Macintosh, copied into Macintosh documents and printed on the Apple Imagewriter or Laserwriter. Contains eleven international character sets, downloadable alternate character sets, double wide and double high characters, 132 column mode and up to 26 macrograph definitions. Files transfer through ASCII character streaming as well as Kermit and XMODEM error-checking file transfer protocols. Use with Switcher allows instant switching between a VAX terminal session and other Macintosh applications without losing the communications link. Can be used to access most external database services. Has Auto-dial and directory functions. Offers file transfer capabilities including MultiFinder, multi file transfer and the ability to transfer files in a background mode. Provides support for the enhanced keyboard for the Macintosh II and the Macintosh SE and enhancements to the National Replacement Character Sets(NRCS) for applications requiring a wider range of character sets.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$199.00 |

WHITE PINE SOFTWARE, INC.**MAC241 (VER. 3.02)****ISPN 86315-300**

Emulates the Dec VT241 providing a range of color capabilities.

Fully emulates DEC's VT241 graphics terminals as well as the VT241 text terminals. Provides users with error-free file transfer capabilities from Macintosh-to-Macintosh or from Macintosh-to-DEC host systems. Graphics generated with host-based software can be displayed on the Macintosh, copied into Macintosh documents and printed on the Apple Imagewriter or Laserwriter. Contains eleven international character sets, downloadable alternate character sets, double wide and double high characters, 132 column mode and up to 26 macrograph definitions. Files transfer through ASCII character streaming as well as Kermit and XMODEM error-checking file transfer protocols. Use with Switcher allows instant switching between a VAX terminal session and other Macintosh applications without losing the communications link. Can be used to access most external database services. Has Auto-dial and directory functions. Offers file transfer capabilities including MultiFinder, multi file transfer and the ability to transfer files in the background mode. Provides support for the enhanced keyboard for the Macintosh II and the Macintosh SE and enhancements to the National Replacement Character Sets(NRCS) for applications requiring a wider range of character sets.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$299.00

AVATAR CORP.**MACMAINFRAME DX (VER. 2.2)****ISPN 06409-500**

Allows IBM 3278/3279 terminal emulation and file transfer capabilities from any Macintosh computer, including the Portable.

MACMAINFRAME DX is a Macintosh-to-IBM mainframe hardware and software solution. Can be used at the mainframe location or remotely through the use of modems. Typical users of MACMAINFRAME DX are those who need access to the mainframe from off-site locations such as accountants at their customer sites who need to access the accounting firms mainframe back at corporate headquarters. Others that use MACMAINFRAME DX do not have an option slot on their Macintosh for an internal card solution, or opt to keep the option slot free for other applications.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

400K

PRICE

\$1195.00

AVATAR CORP.**MACMAINFRAME II/CUT (VER. 2.2)****ISPN 06409-505**

Allows IBM 3278/3279 terminal emulation and file transfer capabilities from any Macintosh II computer.

MACMAINFRAME II/CUT is applicable for those who have a single host application that they use, such as IBM's PROFS electronic mail and calendaring system. It features file transfer capabilities, keyboard remapping, full color wheel support and tear-off menus. Allows a dedicated single host session.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

400K

PRICE

\$995.00

AVATAR CORP.**MACMAINFRAME II/DFT (VER. 3.1)****ISPN 06409-501**

Allows IBM 3278/3279 terminal emulation and file transfer capabilities from any Macintosh II personal computer.

MACMAINFRAME II/DFT can be used by the power user who needs access to multiple mainframe sessions at the same time. With MACMAINFRAME II/DFT, users can access mainframe financial, word processing and electronic mail applications, cut and paste information from a mainframe application into a Macintosh application and allows file transfer sessions to run in the background. Permits up to five simultaneous host sessions for optimum user productivity.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

700K

PRICE

\$1295.00

AVATAR CORP.**MACMAINFRAME SE/30/CUT (VER. 2.2)****ISPN 06409-506**

Allows IBM 3278/3279 terminal emulation and file transfer capabilities from the Macintosh SE/30 computer.

MACMAINFRAME SE/30/CUT is applicable for those who have a single host application that they use, such as IBM's PROFS electronic mail and calendaring system. It features file transfer capabilities, keyboard remapping, full color wheel support and tear-off menus. Allows a dedicated single host session.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------|-----------------|---------------|--------------|
| APPLE MAC SE30 | 3 1/2-inch disk | 400K | \$995.00 |

AVATAR CORP.**MACMAINFRAME SE/30/DFT (VER. 3.1)****ISPN 06409-503**

Allows IBM 3278/3279 terminal emulation and file transfer capabilities from the Macintosh SE/30.

MACMAINFRAME SE/30/DFT can be used by the power user who needs access to multiple mainframe sessions at the same time. With MACMAINFRAME SE/30/DFT, users can access mainframe financial, word processing and electronic mail applications, cut and paste information from a mainframe application into a Macintosh application and allows file transfer sessions to run in the background. Permits up to five simultaneous host sessions for optimum user productivity.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------|-----------------|---------------|--------------|
| APPLE MAC SE30 | 3 1/2-inch disk | 700K | \$1295.00 |

AVATAR CORP.**MACMAINFRAME SE/CUT (VER. 2.2)****ISPN 06409-502**

Allows IBM 3278/3279 terminal emulation and file transfer capabilities from the Macintosh SE computer.

MACMAINFRAME SE/CUT is applicable for those who have a single host application that they use, such as IBM's PROFS electronic mail and calendaring system. It features file transfer capabilities, keyboard remapping, full color wheel support and tear-off menus. Allows for a dedicated single host session.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------|-----------------|---------------|--------------|
| APPLE MAC SE | 3 1/2-inch disk | 400K | \$795.00 |

AVATAR CORP.**MACMAINFRAME SE/DFT (VER. 3.0)****ISPN 06409-504**

Allows IBM 3278/3279 terminal emulation and file transfer capabilities from the Macintosh SE computer.

MACMAINFRAME SE/DFT can be used by the power user who needs access to multiple mainframe sessions at the same time. With MACMAINFRAME SE/DFT, users can access mainframe financial, word processing and electronic mail applications, cut and paste information from a mainframe application into a Macintosh application and allows file transfer sessions to run in the background. Permits up to five simultaneous host sessions for optimum user productivity.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------|-----------------|---------------|--------------|
| APPLE MAC SE | 3 1/2-inch disk | 700K | \$495.00 |

CONNECT, INC.

MACNET (VER. 1.0)

ISPN 90947-500

Provides organizations with electronic mail and information forums via an on-line information service that is accessed via MACNET.

Features an icon-based command structure, options for automatically sending and receiving files, and the capability to create and maintain customized private bulletin boards. Included inits information services is a 15 minute delayed link to all North American stock exchanges provided by Standard & Poor's. Product information and Macintosh support can be received through information listings such as Mac Symposium (TM) and MacGuide Magazine On-Line. Each ID includes required software and two hours of connect time. Network connect charges are \$8.00 /per hour during peaktime (7am - 7pm business days), and \$4.00 /per hour during off peaktime (7pm - 7am business days, and all day weekends and holidays). These rates include 120KB per hour or 2KB per minute. Additional transmission is billed at 2 cents per KB. Transmission is averaged on a per session basis.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$74.95 |

Requirements: 800K disk drive, 1200, 2400, or 9600 bps modem, external disk drive or hard disk.

MANY LINK CORP.

MANYLINK PC'S (VER. 3.0)

ISPN 56557-100

Allows users to share all printers and transfer files back and forth in the background via serial ports.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 30K | \$165.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 30K | \$165.00 |

MANY LINK CORP.

MANYLINK WORKGROUPS (VER. 3.0)

ISPN 56557-110

Allows users to share all printers and transfer files back and forth in the background via serial port.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 3.X

5 1/4-inch disk

30K

\$495.00

IBM/MICROSOFT PC/MS-DOS 3.X

3 1/2-inch disk

30K

\$495.00

MICRO PLANNING INT'L.**MICRO PLANNER PROJECT EXCHANGE****ISPN 50912-575**

Allows user to transfer data to and from Micro Planner Plus and applications such as wordprocessors and spreadsheets.

MICRO PLANNER PROJECT EXCHANGE allows the user to convert MacProject (ISPN 12784-520) files into Micro Planner projects. Imports and exports DIF files and Text documents. Aids in developing and using templates by cloning projects and portions of projects to be moved within the same Micro Planner project network. Creates logic library modules for rapid build-up of projects. Scales durations up and down. When used with a suitable communications link, users can transfer information between an IBM or MS-DOS Micro Planner and a Macintosh Micro Planner system. Prepares data for and receives data from other micro, minicomputer or mainframe systems.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2 and 5 1/4

256K

\$100.00

Requirements: Microsoft Windows (ISPN 53150-735).

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$100.00

Requirements: Two disk drives or hard disk.

MICROSOFT CORP.**MICROSOFT MAIL (VER. 1.35)****ISPN 53150-810**

Allows users to send and receive files and messages electronically on an AppleTalk network.

MICROSOFT MAIL supports true enterprise-wide connectivity over a large, multivendor network. Users can seamlessly exchange messages and files from any location, whether they are working on Apple Macintosh computers or PCs. Architected to support networks with thousands of users distributed across multiple servers, using a variety of hardware platforms. The software automatically handles the complexities of communicating among dissimilar machines, multiple servers and different mail systems. As a result, users can communicate with someone across the country on a different mail system as easily as with someone next door on the same server, knowing nothing more than the person's name. Store-and-forward messaging is an essential element of true enterprise-wide connectivity, as it allows users to send messages at their convenience without requiring a permanent connection to each destination. The ability to automatically notify users when their messages cannot be delivered is also an essential ingredient for mail system reliability. Unlike mail systems that require a permanent connection between servers before users can send mail to a user on another server. MICROSOFT MAIL offers store-and-forward messaging, allowing users to send mail even when the recipient's server is unavailable. The sender's server simply stores the message and tries to contact the recipient's server at prespecified intervals, ranging from one minute to one week. Unlike mail systems that keep trying indefinitely to contact an unavailable server, MICROSOFT MAIL will automatically return the message to the sender if it can't be delivered within a prespecified period of time (anywhere from one to 30 days). This makes communication both convenient and reliable. Servers

automatically exchange user directories the moment they are brought into the mail system, without any user intervention. The same process occurs automatically when users are added or deleted, or when servers are moved so users always have access to a complete, up-to-date directory.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$299.95 |
| <i>Requirements: 1-4 users. AppleTalk compatible network and hard disk.</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$499.00 |
| <i>Requirements: 5-10 users. AppleTalk compatible network and hard disk.</i> | | | |

SOFTKLONE

MIRROR III (VER. 1.01)

ISPN 72139-500

An asynchronous data communications and file transfer package which is upwardly compatible with Crosstalk XVI(R).

MIRROR III is an asynchronous data communications package that is Crosstalk XVI compatible. Provides you with a full-featured programming language, PRISM(Programmable Integrated Scripts for MIRROR). PRISM allows for the complete automation of even the most complex data communications tasks. One of its most popular functions is Background Mode. With background mode, PRISM scripts will run in the background and let you work on other applications in the foreground. For example, you can write a PRISM to retrieve stock prices from Dow Jones News Retrieval and pass them directly to a spreadsheet program. MIRROR III includes a wide array of file transfer protocols and terminal emulations. Another useful feature is MIRROR III's script protection utility, 'Protect'. Once protected, the contents of your scripts cannot be viewed or modified by others. MIRROR III also offers Chat-Mode, which helps make your interactive communications easy by displaying incoming and outgoing messages in two separate windows on the screen.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.95 |
| <i>Requirements: Modem.</i> | | | |

DYNAMIC MICROPROCESSOR ASSOCIATES

PC MACTERM (VER. 1.2)

ISPN 27200-175

Enables the user to run a PC from a Macintosh, either through a modem, direct cable connection, or on an AppleTalk network.

Works with pcAnywhere III (ISPN 27200-150), which runs on the PC. Any Mac user can run all programs on a PC, all peripherals attached to the PC, and all internal cards, such as IRMA cards, network adapter boards, etc. Supports the text modes of all PC video display adapters. Offers complete compatibility with not only IBM software, but IBM hardware and data files too. The user can connect a Macintosh to any IBM compatible computer and run programs as if sitting at the IBM screen and keyboard. Any program which runs on the IBM can be run from the Macintosh, including programs which access networks or use special hardware like CD ROMS or high speed modems. A single IBM could be attached to an AppleTalk network, providing IBM compatibility to any Mac network participant. If the user has a Macintosh at home and an IBM compatible in the office, use this program with a modem and connect to the IBM in the office. Print E-Mail, run Lotus, or download a PC file to the Mac. Works with Apple's MultiFinder, so the user

can run other Macintosh programs while an IBM program runs in the background. Connects through the Mac serial port at speeds up to 19.2K. The Macintosh mouse can be used as IBM cursor keys. Password protection is provided for modem connections. Either or both of the Mac/IBM keyboards can be used for application input. A dial directory is provided for storing phone numbers of remote computers and two-way high-speed file transfer is included. AppleTalk network connections can be made using the Shiva NetSerial async gateway product.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 128K | \$99.00 |

Requirements: IBM compatible running pcAnywhere (Ver. 2.1 or greater).

DYNAMIC MICROPROCESSOR ASSOCIATES

PCANYWHERE III (VER. 3.11)

ISPN 27200-150

Allows IBM PCs to be run from a remote location via modem or RS232 cable by a PC, a dumb terminal, or a non-compatible with emulation.

Lets any PC, terminal or non-IBM-compatible with terminal emulation run any IBM PC or compatible program. The PC-to-PC connection lets the user run remotely all programs and peripherals, including internal cards, such as IRMA cards. Also enables remote access to Local Area Networks. The user can call into a LAN from anywhere and run LAN programs and attached peripherals. Provides extensive security capabilities, and allows for complete bi-directional file transfer. Provides the software necessary for both sides (host and remote) of a PC-to-PC remote connection. Works with high speed modems as fast as 19,200 baud, and has a built-in automatic dial directory and automatic callback capability. Another feature includes voice/data switching, which allows users to move back and forth between data and voice transmission on the same line. Supports CGA, EGA, VGA and Hercules Graphics, session record and playback, and call logging.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$145.00 |

Requirements: Modem or RS232 null modem cable for direct cable connection.

DATASTORM TECHNOLOGIES, INC.

PROCOMM PLUS

ISPN 23912-650

Provides intuitive communications with 12 error correcting file transfer protocols, two specifically for high speed modems.

A full featured dialing directory allows users to specify the directory entry once, then automatically dial any entry from the directory. The directory can be scrolled to find a particular listing, or a search can be made for a specific character string. Entries can be modified at any time, and storage is limited only by disk space. Protocols and emulation choices can be specified for each entry, and dialing codes can be specified to speed the process of calling through a long distance carrier or PBX system. A dialing queue can be set up to call until each phone number of a list is reached, and busy numbers can be re-called until they are reached. Tracks call history information to help users reconcile telephone and information service bills. ASPECT, a script command language is included with the program. ASPECT can automate common functions such as log-ons, and can be set up to do unattended file transfers at night or on weekends for lowest phone rates. Can also be used to create customized menu-driven applications to

automate complex communications tasks. ASPECT features conditionals (If/Then/Else and Switch/Case), advanced screen-handling, string manipulation, file I/O, mathematical functions, branching, memory variables and subroutines. A record mode allows the program to learn log-on sequences and other frequently repeated functions by recording systems prompts and the responses given. Then an ASPECT script file can be generated and used to automate the tasks in future sessions. Global macro keys are included for storing frequently used character strings such as user ID's and passwords. The keyboard may be reprogrammed for each of the terminal emulations. Context sensitive help tracks the user's progress, and displays detailed information on the current task. By pressing Alt-z at any time, full on-screen help is provided. The host mode provides a complete Bulletin Board Service within the program that includes unattended file transfers, electronic mail, access to DOS shell, individual user ID's, passwords and security levels. The host mode can also be set up as an office message center, or can access an office computer from the user's home. A chat mode provides a convenient, split-screen environment for on-line conferencing. An on-line re-display buffer can recall and show lines that have scrolled off the screen, and several lost screens can be found with a single keystroke. User hot-keys can specify external programs and execute them at a single keystroke without exiting PROCOMM PLUS. Sessions may be saved to disk, printer or both, and a snapshot of a screen can be saved to disk with a single keystroke. Screen and window colors can be tailored to user preference, and two different styles of user interfaces can be chosen- pop-up menus or Lotus style menus. Features access to DOS to execute other programs and DOS commands without exiting PROCOMM PLUS and without going off-line from a remote system. Users can call up the PROCOMM PLUS text editor or one of their own, list and change directories, view text files, re-configure settings, and replace or strip characters from the incoming data stream. Operates at the baud rates of 300, 1200, 2400, 4800, 9600, 19200, 38400, 57600, and 115200. Line settings include Space, Even, Odd, Mark or No parity, seven or eight data bits, and one or two stop bits. Supports up to eight user-definable serial ports. Can be run under several multi-tasking systems including Microsoft Windows (ISPN 53150-735). Supports XMODEM, XMODEM-1K, WINDOWED XMODEM, YMODEM, YMODEM-G, IMODEM, SEALINK, and KERMIT error correcting file transfer protocols, and three user-defined protocols may be specified permitting the execution of external file programs. Allows PC to act as a terminal and run full screen mainframe applications. Emulates the following terminals: DEC VT102, TeleVideo 900, 910, 920, 925, 950, and 955, IBM 3270 (asynchronous), Wyse 50 and 100, ADDS Viewpoint 60, Lear Siegler ADM 3/5, and Heath Zenith 19. Includes free unlimited voice-line support from the vendor.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Modem.</i> | 3 1/2 and 5 1/4 | 192K | \$89.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Modem.</i> | 3 1/2 and 5 1/4 | 192K | \$89.00 |

DATASTORM TECHNOLOGIES, INC.

PROCOMM PLUS-NETWORK VERSION (VER. 1.0) **ISPN 23912-601**

Features ten different file transfer protocols, 16 terminal emulations and a flexible script language.

PROCOMM PLUS - NETWORK VERSION supports conditionals and branching, advanced screen handling, string manipulation, file I/O, memory variables and more. Has a fully automated dialing directory, keyboard macros, a 'record' mode for generating script files automatically and context sensitive help. The Network Version of PROCOMM

PLUS allows workstations to share a modern pool(or several direct serial lines) on a single asynchronous server by interfacing with the Novell NACS software. Includes a 350+ page manual and technical support. This is a multi-user program. NetWare Aware features: Works in conjunction with Novell NACS; uses NACS communication API.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-------------------------|-----------------|---------------|--------------|
| NOVELL NETWARE 286 2.0A | 3 1/2 and 5 1/4 | 192K | \$595.00 |

Requirements: 5 user starter kit. DOS 2.0+, Novell NACS/NASl asynchronous communications service.

CE SOFTWARE

QUICKMAIL (VER. 2.0)

ISPN 11725-600

Provides real-time conferencing, custom forms, prioritizing, personalized directories, printers and more.

QUICKMAIL offers real-time conferencing, password and security features, customizable address books, priority control, return receipts and a public bulletin board. Users can create and use custom forms that include graphics. Allows you to reply to, edit or print messages. Available in single user or multi-user versions. For additional information, contact the software publisher.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------|-----------------|---------------|--------------|
| NOVELL NETWARE 286 2.0A+ | 3 1/2-inch disk | 1024K | \$269.95 |

Requirements: 1-5 users. Macintosh operating system.

| | | | |
|--------------------------|-----------------|-------|----------|
| NOVELL NETWARE 286 2.0A+ | 3 1/2-inch disk | 1024K | \$399.95 |
|--------------------------|-----------------|-------|----------|

Requirements: 6-10 users. Macintosh operating system.

MICROCOM SOFTWARE DIVISION

RELAY GOLD (VER. 3.0)

ISPN 49118-250

Provides a general purpose PC communications package and micro to mainframe link.

RELAY GOLD is a versatile asynchronous communications software package for connecting with other PCs, mainframes and information services that can transfer any type of file. Features an advanced script language that lets you automate all of your communications tasks and total background operation so you can send and receive files while you work on other applications. The use of CommPressor data compression makes file transfer fast and efficient, saving time and phone charges. RELAY GOLD emulates a number of popular terminals, including VT100, VT200, VT240 and IBM 3101. When connected to an IBM mainframe running RELAY/3270, it emulates a 3270 terminal without any hardware. Error-free file transfer with mainframes running RELAY/VM or RELAY/TSO is also possible. Despite its power and versatility, it is easy to learn and use with a tutorial on diskette, 'Getting Started' manual and context sensitive HELP. Available for IBM PCs, PS/2s and 100 percent compatibles. Supports virtually any modem type, including 9,600 baud modems and supports a number of popular 3270 emulation boards. Supports Novell NACs and Novell Network X.25 Gateway. Technical support available at (203)798-3900. Available in both single user and multi-user versions. \$115.00 for each additional user above five.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: Modem.

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Modem.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

192K

192K

PRICE

\$295.00

\$295.00

DCA/CROSSTALK COMMUNICATIONS**REMOTE 2****ISPN 53450-200**

Allows you to call into your CP/M or MS-DOS based microcomputer system by phone from a remote terminal.

REMOTE 2 allows you to take control of another computer and run software on that system just as if you were there. It is like using the telephone line as an extension cable for your screen and keyboard. When connected, you may transfer files, take screen snapshots, chat back and forth in separate pop-up chat windows, switch between voice and data and run programs on the system you are calling into. Security is assured in individual user IDs and passwords. A callback feature provides additional security and control over phone expenses. Accepts calls from dumb terminals or non-IBM systems emulating a terminal.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: Auto-answer modem.

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Auto-answer modem.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

128K

128K

PRICE

\$195.00

\$195.00

HAYES MICROCOMPUTER PRODUCTS**SMARTCOM I****ISPN 34950-124**

Contains a communications program designed for talking to information utilities as well as other computer systems.

Features include: Uploading and downloading, downloads to disk for text manipulation, RAM buffer (uses all leftover RAM for buffer), toggle buffer on/off for selective data capture, displays how much memory is left in the buffer, buffer shuts itself off when full, variable communications protocols, auto dial, auto log on, break/ help commands, variable baud rate from 110 to 300, line wrap for 40 or 80 column display, character redefinition, printer controls and menu driven. Package is supplied with a users manual.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$119.00

HAYES MICROCOMPUTER PRODUCTS**SMARTCOM II FOR MACINTOSH (VER. 3.1)****ISPN 34950-500**

Telecommunications that supports 2400 bps communications terminal emulation (VT 52/VT 102), Hayes verification and X modem protocols.

SMARTCOM II FOR MACINTOSH's auto dial and auto log-on functions provide fast, simple connection to remote systems. A click of the mouse is all it takes to print, store,

or view incoming data, all at the same time. Other features include context sensitive help messages, terminal emulation, multiple protocols, voice/data transmission, interactive graphics, and unattended operation. SMARTCOM II's Option Key Autopilot feature simplifies access to Autopilot sequences. Assign a single character identifier to each sequence and its stored instructions are executed when you press the Option key followed by the selected identifier. Each document can contain an Auto Startup sequence that can be invoked from the desktop. Auto file naming, multiple protocols, terminal emulation, voice/data transmission, and interactive graphics.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$145.00 |

HAYES MICROCOMPUTER PRODUCTS

SMARTCOM II FOR THE PC (VER. 3.0)

ISPN 34950-125

Combines a variety of powerful communication options for skilled PC users with the simplicity of menu driven operations for beginners.

SMARTCOM II FOR THE PC allows uploading and downloading, RAM buffer(96k for IBM and 128kfor DEC), toggle buffer on or off for selective data retrieval and buffer status (on or off). Buffer counter tells you what percent of buffer is in use and when full buffer turns off. Features variable communications protocols, auto dial, auto log on, extensive break/help commands, variable baud rate from 110 to 2400, menu driven, printer controls and character redefinition. Package is supplied with a 100+ page users manual. Supports Xmodem and Hayes verification protocols, terminal emulation, 2400 bps communications and can access DOS subdirectories. Has automated batch transmission.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 192K | \$149.00 |
| <i>Requirements: Hayes Smartmodem 300, 1200, 1200B, 2400, or compatible modem.</i> | | | |

HAYES MICROCOMPUTER PRODUCTS

SMARTCOM III

ISPN 34950-700

A menu-driven communication program for any Hayes Smartmodem V-series system product and your IBM PC, XT, AT or compatible.

SMARTCOM III's power and versatility help you communicate more efficiently than ever before with personal computers, mainframes, bulletin boards and information services. SMARTCOM III makes it easy to dial remote systems, send and receive files, create messages and print, capture to disk and edit the information you received. Extensive on-line help guides you through the operations available at any point in the program. The SMARTCOM III Activity/Connection model provides versatility by separating terminal settings from modem settings. Parameter storage is limited only by disk space, so you can store phone numbers and other settings for a very large number of remote systems. SMARTCOM III supports modem connections and directconnect, voice/data switching, simultaneous data capture to disk and printer, autotyping from disk or from the SMARTCOM III editor automatic dialing and answering and call progress. As you communicate, all information exchanged between you and the remote system is automatically stored in a portion of memory called the peruse buffer; review this information while still on-line or after disconnecting. The peruse buffer contents can be selectively captured to disk, to printer or to the editor. Use SMARTCOM III's full-featured

editor to create and modify messages, even while communicating. The editor supports block operations on selected text, autowrap and find/replace. Send information directly from the editor to a remote system and use the editor as a 'clipboard' between multiple sessions. SMARTCOM III supports simultaneous communication through two COM ports. For example, you can call a remote computer through a modem on COM1, COM2 and download files from one computer while conducting interactive communication with the other. Rotate between sessions with a single keystroke. SMARTCOM III's unique Simple Communications Programming Environment (SCOPE) scripting feature is actually a complete communications programming language. Beginners can use 'learn mode' to instruct the program to record operations into scripts that automate such processes as logins and mail retrieval. The script editor provides additional flexibility for creating and modifying scripts. Experienced users can create complex scripts that access the same interface tools used to create SMARTCOM III. Stored telephone number capacity is limited only by disk space. Supports serial and parallel printers. SMARTCOM III user's guide, SCOPE reference guide and quick reference card are included.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$249.00 |

Requirements: Does not work with DOS 4.0+. Hard disk, 80-column display, Hayes Smartmodem product.

PERSOFT, INC.

SMARTERM 220 (VER. 1.3A)

ISPN 60575-150

A DEC VT220 terminal emulator with ASCII and binary file transfer for emulation of DEC VT220, VT100, VT102 and VT52.

SMARTERM 220 is a full-featured terminal emulation software package which includes both 7-bit and 8-bit control modes, multi-national character sets and support for European versions of the DOS operating system. Fully supports A-to-Z and other DEC software packages that require VT220 terminals. Powerful file transfer capabilities including KERMIT, XMODEM and PDIP, error-free protocols. The PDIP protocol allows program and data files to be transferred quickly between two IBM PCs and can also be used between the IBM PC and a host computer system. Fully functional samples of VAX-VMS BASIC and FORTRAN programs which implement the PDIP protocol on Digital Equipment Corporation VAX-VMS systems are included with the SMARTERM 220 package. Also features multiple setup configurations. Each configuration can have totally different terminal characteristics, softkey definition and file transfer parameters. Remappable Keyboard Layout allows you to specify how the PC keyboard's special function keys are mapped onto the VT220's special function keys. Host Control allows the host system to control most SMARTERM 220 operations remotely. 132-Column Display support allows horizontal scrolling of an 80-column display window, viewing of any portion of internally maintained 132-column virtual display area. Multinational Character Sets may be used when running in 8-bit mode. The Compose Character allows you to create Multinational characters which do not appear directly on the PC keyboard. Supports Hercules, CGA, EGA or VGA graphics board.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$195.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$195.00 |

PERSOFT, INC.

SMARTERM 240 (VER. 3.0A)

ISPN 60575-165

Allows IBM and compatibles to emulate VT204 graphics terminal and VT241 color graphics terminal.

SMARTERM 240 includes emulation of the Digital Equipment Corporation (DEC) VT241 color graphics terminal, DEC 16-color VT240 ReGIS graphics and support for Enhanced Graphics Adapters (EGA) when displaying ReGIS graphics images. Allows PC users to take advantage of DEC host business graphics software, such as DECgraph and DECslide. The ReGIS image generated in EGA mode will be similar in quality to that of the VT241 terminal. Full VT241 resolution of any portion of a picture can be shown. The image will be printed on the display at the same speed as the VT241 terminal, or faster, depending on the hardware used. Supports four on-screen colors at one time. Additional features include emulation of the VT240 and Tektronix 4014 monochrome graphics terminals and all popular DEC text terminals. Downloads fonts from the host. Communicates through the Ungermann-Bass Net/One System. Human engineering features include the ease of use, a window-based system for setting communications and emulation parameters and 'smart' softkeys that allow complex or repetitive tasks such as dialing a host or logging onto a host. Includes Kermit, Xmodem and PDIP file transfer. Supports Multiscan monitor, Microsoft mouse or compatible. True double-high/double-wide character display and downloadable character sets are supported.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$345.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$345.00 |

PERSOFT, INC.

SMARTERM 400 (VER. 4.0A)

ISPN 60575-200

A full-featured Data General Dasher 100/200, 210/211/400/410 terminal emulator with ASCII and binary file transfer.

SMARTERM 400 is a full-featured terminal emulation file transfer software package that allows the IBM PC to function as a Data General Dasher 100/200, 210/211/214/215/400 or 410 terminal. Duplicates virtually all feature series of these terminals including local printer support, multiple display windows with independent vertical scrolling and window erase, full character display attributes, 132-column display support and 'smart' softkeys. Eight separate setup configurations, each with 20 programmable softkeys, simplify communication with multiple systems. XMODEM protocol and European character display have been added. The program transfers ASCII and binary files at speeds up to 9600 baud and includes an error correction protocol. Supports XMODEM, YMODEM and PDIP 'error-free' file transfer protocols.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$175.00 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$175.00 |

PERSOFT, INC.

SMARTMOVE (VER. 1.0A)

ISPN 60575-075

A DEC VT100 text terminal emulation package with text and binary file transfer.

SMARTMOVE provides precise DEC VT100 terminal emulation and advanced general communications capabilities. Also emulates DEC VT102, VT52 and TTY modes. Supports 132-column display with horizontal scrolling. Provides user-definable softkeys. SMARTMOVE supports background file transfers and dual host sessions. Also supports Kermit and XMODEM error-free file transfer. For additional information, contact software publisher.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$149.00 |

INSIGNIA SOLUTIONS, INC.

SOFTPC (VER. 1.3)

ISPN 38546-700

Enables IBM PC software to run without modification on the Macintosh SE/30, II, IIfx, IIfx and 68020-accelerated SE.

Runs in a Mac window in Finder and MultiFinder, and provides full PC functionality along with XT class performance. To the Macintosh SoftPC is a normal Macintosh application program. When SoftPC is run, MS-DOS, MS-Windows and any PC application sees the environment as an Intel 8088-based IBM PC-compatible. Supports 'ill-behaved' TSRs and applications like SideKick+ (ISPN 08225-085), Lotus 1-2-3 (ISPN 45525-050) and Flight Simulator (ISPN 53150-356) that address hardware directly. SoftPC's built-in File Sharing Architecture allows users to move files directly between DOS and Mac storage as if they were the same. Works with the FDHD drive (SuperDrive) and Apple 5.25" PC Drive to read and write directly to PC and PS/2 disks. Also works with DaynaFile and Rapport/Drive 2.4 disk drives to access PC and PS/2 disks. In network environments, the application can access network volumes available to the Macintosh. Allows the Macintosh operating system and DOS to share peripherals, files, memory and disk space. Emulates IBM CGA, up to 640K of PC RAM, Microsoft Bus Mouse and XT keyboard. Allows users to copy/paste text and graphics between DOS and Macintosh programs. Supports networking with AppleShare (ISPN 03900-100) and other AFP-type file servers such as NetWare/Mac and MacLAN Connect, as well as Tops (ISPN 11962-700) and 3+. MS-DOS 3.3 and GW-BASIC 3.0 and manuals are included.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| APPLE MAC SE, II | 3 1/2-inch disk | 1700K | \$399.00 |

Requirements: 68020 processor and hard disk.

FARALLON COMPUTING, INC.

TIMBUKTU (VER. 3.0)

ISPN 91809-700

Allows users to view and operate other Macintosh computers over AppleTalk. Several users can connect to the same computer.

TIMBUKTU is an application that allows screen sharing among Macintosh computers. Users can view and operate each others' computers over an AppleTalk network. Includes file transfer. You can send files to other users or let them copy files to and from your Macintosh. You can define passwords for each TIMBUKTU privilege you grant. Host computers can authorize two types of guests, controllers and observers. Controllers operate the host computer as if it were their own while observers only watch. Using TIMBUKTU, you can install and operate fileserver software on a Macintosh II, saving the cost of a monitor, video card and keyboard.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$149.00 |
| <i>Requirements: AppleTalk or compatible networking system.</i> | | | |

FARALLON COMPUTING, INC.**TIMBUKTU/REMOTE (VER. 1.0)****ISPN 91809-705**

Enables you to observe the operation of another Mac from your own Mac over a dial-up telephone line, serial links or ISDN services.

TIMBUKTU/REMOTE, through modems, serial links or ISDN services, puts you in touch with a remote Macintosh or local area network. Makes possible remote support, access, training, network management and workgroup collaboration. Transfers files and allows you to 'chat' with another user. Using this program, you can observe or control a remote machine and assist users with applications and procedures. You can access the network, share files or use mail as if you were there. TIMBUKTU/REMOTE can be used to troubleshoot problems at another location. Over the phone, the network manager can control a computer or server on the distant network and use a full range of network management tools to solve problems and to support users. In conjunction with Timbuktu (ISPN 91809-700) software, groups can collaborate remotely in real time on any Macintosh on the network, as if everyone were gathered around the same computer. Users can work together on designs, documents, spreadsheets or any Macintosh application.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$299.00 |
| <i>Requirements: Modem (9600 baud minimum).</i> | | | |

TOPS DIV. OF SUN MICROSYSTEMS**TOPS FOR THE MACINTOSH (VER. 2.1)****ISPN 11962-700**

Local area network offering distributed file server architecture and interoperating system connectivity.

Allows each machine to process the kind of information it handles best, and to share data in real time. Solves the problem of machine compatibility by translating the requests of each supported operating system into generic requests recognized by the TOPS software on remote target machines. Once installed, TOPS remains memory resident. All network activity takes place in the background, so that users are only aware of TOPS' presence when they choose to publish a volume or access a volume located on a remote computer by mounting it. When a remote volume is mounted, it appears in exactly the same format as a local volume. The user can modify the file under Excel and store it back on the IBM PC as a 1-2-3 file. A conversion option is also included in the TOPS program that strips unrecognizable characters from word processing text files. This makes it possible to use files created under WORDSTAR, MICROSOFT WORD, MULTIMATE, and WORD PERFECT directly on the Macintosh. Security is provided by file locking, record locking, and passwording options. Users are spared the expense of a dedicated server. Price varies on UNIX from \$1,000 to \$14,000.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$249.00 |

TOPS DIV. OF SUN MICROSYSTEMS

TOPS/DOS (VER. 2.1)**ISBN 11962-704**

A local area network offering distributed file server architecture and interoperating system connectivity.

TOPS/DOS allows each machine to process the kind of information it handles best, and to share data in real time. Solves the problem of machine compatibility by translating the requests of each supported operating system into generic requests recognized by the TOPS software on remote target machines. Once installed, TOPS remains memory resident. All network activity takes place in the background, so that users are only aware of TOPS' presence when they choose to publish a volume or access a volume located on a remote computer by mounting it. When a remote volume is mounted, it appears in exactly the same format as a local volume. The user can modify the file under Excel and store it back on the IBM PC as a Lotus 1-2-3 file. A conversion option is also included in the TOPS program that strips unrecognizable characters from word processing text files. Security is provided by file locking, record locking, and passwording options. Users are spared the expense of a dedicated server.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$189.00 |
| <i>Requirements: Appletalk, PhoneNET or similar cables. DOS 3.1 required for record locking.</i> | | | |

SYNERGY SOFTWARE

VERSATERM (VER. 3.2)**ISBN 60539-900**

A text and graphics communication program offering VT100, DG200, and Tektronix 4014 emulations.

Provides access to thousands of programs and services found on mainframes. Files can be transferred using XModem, YModem or Kermit (text, binary and Macbinary formats), or the user can utilize the line-by-line file transfer without protocol. Text may be logged directly to the ImageWriter with user defined character widths of 80, 96 and 136 characters per line. A selection of text can be printed as well. Additionally, a character indent and automatic perforation skip may be specified. The graphics screen may be printed by a single menu selection or by a request from the host. A command string up to 128 characters may contain text, control characters, or even a two second pause. Supports any kind of auto-dial modem. The user specifies a dialing sequence for each computer system and defines a phone label associated with that system. The phone label will appear under the PHONE MENU. Communication settings by baud rate, parity, can be tagged to each phone label. The user dials the computer system by simply selecting the phone label from the PHONE MENU. VERSATERM also supports Automatic Redial. Operates up to 9600 baud with vector graphics and up to 7200 baud with text, without using flow control. The DEC VT100 emulation supports the full set of cursor movement and editing escape sequences. Device request and a programmable answer back message is supported. The optional Macintosh numeric keypad fully supports the VT100 numeric keypad. The Tektronix 4014 emulation compatible with the 4010, 4012 and 4014 series of graphics terminals. VERSATERM supports mouse driven full screen cross hairs, two line styles, printer requests from the host, incremental plot mode, point plot mode and four character sizes to name a few. The Data General D200 emulation provides the basic cursor movement and editing escape sequences. The 12 function keys, along with control-function and shift-function are implemented. The

emulation allows access to many of the DG editors and utilities. This program is not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.00 |
| <i>Requirements: Any auto answer autodial modem or direct connection to a host computer.</i> | | | |

SYNERGY SOFTWARE

VERSATERM-PRO (VER. 2.2)

ISPN 60539-895

Text and color graphics terminal emulator which emulates Tektronix 4105, 4014, DEC VT100, and Data General D200 terminals.

Using a pull-down menu, the user can quickly switch between any of the four emulations. Supports color screens, big screens and grey-scale capability. File transfer capability fully compatible with the MacTerminal XModem protocol. Vanilla XModem and Kermit protocol transfers are also supported. MacBinary XModem allows the user to directly download BinHex 5.0 files from CompuServe. Kermit options may be fully configured. XModem, YModem, Kermit, Text Binary and MacBinary formats are supported. The incoming text stream can be logged directly to the printer. User definable text widths of 80, 96 and 136 columns and vertical form unit control are selected via a dialog box. Color output is supported with the Imagewriter II printer. Create TekPrint, MacDraw, MacPaint and MacWrite documents. Phone numbers are defined by a dialog box, where the modem dialing sequence and phone labels are defined. The label is displayed in the Phone menu. The user doesn't need to exit to the desktop or load in a new file to select a new phone number. All auto-dial modems are supported. High character throughput, up to 9600 baud with vector graphics. Macros can be created using the wait-for-prompt feature. Macros may be created automatically. High character throughput, up to 9600 baud with vector graphics. Either the modem or printer ports may be used for either the data communications or printer. User defined commands up to 128 characters can be defined via a dialog box and are displayed in the Commands menu. Mini-macros can be included in Commands using a wait-for-prompt feature. Tektronix 4105 Features: True Interactive Zoom and Pan in memory with either the 4105 or 4014 graphics emulation. Fully supports all text and graphics features of the Tektronix 4105. The 4105 dialog can either be a separate window or text overlaying the graphics. Very high quality graphics may be printed on either the ImageWriter or LaserWriter. Supports 4105 host and keyboard Macros. Menus may also be defined from the host. Mouse driven, full screen cross-hairs. DEC VT100 Features: Full VT100 cursor movement, erase commands, reverse video, underline, bold, and line drawing graphics are supported. The optional numeric keypad fully emulates the VT100 keypad. A mouse selection can be copied to the Clipboard, printed and saved as a MacWrite file or pasted to the host computer. Editor cursor movement can be performed by the mouse. Both VI and EMACS editors are directly supported, as well as the standard VT100 Arrow Key sequences. Versa Term-PRO's smart-mouse allows accurate cursor movement even when Tabs and wraparound lines exist in your editor. Tektronix 4014 Features: Compatible with Tektronix 4010, 4012 and 4014 graphics terminals. Four character sizes, easily changed from the Emulation menu. True aspect ratio is maintained. Mouse driven, full screen cross-hairs. Incremental plot and special point plot modes are supported. Data General D200 Features reverse video, underline and dim attributes. Editor mouse generates D200 arrow sequences. The 15 function keys, shifted function keys and control function keys may be generated. Most mouse related features of the VT100 are also supported in the D200 emulation. Not copy protected.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$295.00 |
| <i>Requirements: 800K disk drive, ImageWriter I/II or LaserWriter printer.</i> | | | |

820 SYSTEMS/COMPILERS/INTERPRETERS/LANGUAGES

CLARION SOFTWARE

CLARION PROFESSIONAL DEVELOPER (VER. 2.0)

ISP# 06903-200

Provides a general purpose microcomputer programming language.

CLARION PROFESSIONAL DEVELOPER contains Designer, the front-end application generator, which allows the user to produce major programs with no coding. It eliminates prototyping as a preliminary step because design and source code generation are done concurrently. The Designer creates structured source code that is fully commented and can be easily added to or modified. Advanced techniques allow the user to tune data management to fit each application. Use related files, data encryption, memo fields, automatic recovery, and commit and rollback. Includes complete LAN features so the applications developed will run on a network without any additional runtime or LAN PACK cost. Supports special device routines and complex logic written in C and Assembler. Users will not have to completely re-write all existing procedures and can produce open-ended solutions that can grow with needs or requirements. Users can compile applications into .EXE programs that will run on stand alone computers or workstations so programs can be distributed without runtime systems.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 384K | \$695.00 |
| <i>Requirements: Hard disk.</i> | | | |

NANTUCKET CORP.

CLIPPER 5.0

ISP# 55949-100

A database development system and dBASE compiler.

CLIPPER is a powerful relational database development system and dBASE compiler. Applications run up to twenty times faster than dBASE applications and offer source code security. There are no royalty or runtime fees imposed for the distribution of CLIPPER applications. Offers a host of enhancements to the dBASE language with features such as user-defined functions, arrays, commands for quick menu building and windowing routines, expanded use of memo fields and support of Expanded Memory. CLIPPER's open architecture offers the ability to link C, Assembler and other languages. Includes a debugger, report and label generators and other modifiable utilities. CLIPPER'S low level file I/O functions allow the user to access any DOS file and manipulate it as needed. Uses an exclusive version of Pocket Soft's .RTLink, allowing applications larger than 640K to be run without using overlays. Networking applications run on most popular networks with record and file locking. NetLib, published by

Communication Horizons, adds extensive Netware specific functions to Clipper. Available in single user and multi-user versions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Two disk drives or hard disk.</i> | 3 1/2-inch disk | 256K | \$695.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Two disk drives or hard disk.</i> | 5 1/4-inch disk | 256K | \$695.00 |

SYMANTEC

LIGHTSPEED PASCAL (VER. 2.0)

ISPN 77413-250

Provides debugging features and is seamlessly integrated with a high performance compiler, linker and project management.

LIGHTSPEED PASCAL is a system for learning programming. The ability to step through a program as it runs and instantly obtain information on its status was previously only available on interpretive systems. This program is an interactive compiler and development system that allows you to see multiple views of your program while it runs. With its integrated environment you can edit, compile, link and run so fast, it will change the way you work. You can build your applications in small manageable pieces while LIGHTSPEED PASCAL's project manager remembers it and with a single keystroke recompiles and relinks only those files that have changed. You have everything you need to write your program all in one application: Editor, compiler, linker, smart linker, run, smart switching and interactive debugging tools.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$149.00 |

MICROSOFT CORP.

MICROSOFT BASIC COMPILER (VER. 6.0)

ISPN 53150-175

Provides a complete BASIC programming environment for both MS-DOS and MS-OS/2 operating systems.

Allows user to address up to 16MB of memory using OS/2. Includes CodeView, a window-oriented, source-level debugger. Provides advanced language features such as user-defined types, recursion and huge arrays. Supports interlanguage calling so BASIC programs can include modules written in Microsoft C (ISPN 53150-260), QuickC (ISPN 53150-261), FORTRAN (ISPN 53150-325), MASM (ISPN 53150-505), and Pascal (ISPN 53150-660). Lets user choose whether they want to compile and link a program to run in protected mode under OS/2 or real mode under MS-DOS. Provides a choice of three floating point libraries. The first, an 8087/80287/80387 library, requires a coprocessor to operate. The second is a floating point emulator that provides 80-bit precision without a processor available but will use one if available. The third choice, an alternate math package, offers added speed with 64-bit precision for machines without coprocessors. Supports modular and structured programming with SELECT CASE, DO...LOOP, FUNCTION, and block IF/THEN/ELSE/END IF statements. Includes a 'smart' editor that lets you run programs from within itself and reports compilation errors directly to the source code. The editor is programmable, can be reconfigured to emulate your favorite editor and works in real mode (MS-DOS) or protected mode(OS/2). Microsoft Quick C (ISPN 53150-261) is included as part of the package. Includes LIB (a library manager), ILINK (an incremental linker), MAKE (maintenance utility), EXEPACK (removes null

characters from EXE files), and EXEMOD (fine tunes file header information). Provides OS/2 functions like SHELL which allows a program to start a process, like printing, and continue running, and OPEN PIPE in which a program communicates asynchronously with other programs.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 320K | \$295.00 |

MICROSOFT CORP.

MICROSOFT C OPTIMIZING COMPILER (VER. 5.1)

ISPN 53150-260

General purpose language well suited to a variety of C programming tasks such as the development of operating systems.

Includes a full implementation of UNIX System V C-language, plus many ANSI features, MicroSoft CodeView, a source-level windowing debugger, multiple memory models including small, medium, compact, large and huge. Ability to mix memory models using near, far, and huge pointers. Supports large programs up to 1MB and C arrays greater than 64K, separate module compilation, 8087/80287 math coprocessor and emulation support. IEEE single and double precision real numbers, network file sharing with file and record locking, optimized native-code compilation, support for pathnames and I/O redirection under MS-DOS 2.1 or higher. Supports mixed language programming, high source and object code compatibility across MS-DOS and XENIX, and start-up source code for easy creation of ROM-resident code. Provides sharing of dynamically linkable libraries among multiple applications. The compiler has a precise structure, variety of data types, and compact code. The user also gets a completely integrated development environment, including a program maintenance utility (MAKE), library manager and linker, and a compiler that generates native code. Includes Microsoft QuickC Compiler (ISPN 53150-261). Provides a library of over 350 routines that include functions for heap checking, debugging the heap, time checking and the amount of memory available to your program. Includes a graphics library to create full-screen graphics, control palette, set attributes, output and transfer images. Supports pathnames, I/O redirection, command line arguments greater than 128 bytes, environment variables, function prototypes, and type checking for program arguments.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 448K | \$450.00 |

MICROSOFT CORP.

MICROSOFT COBOL OPTIMIZING COMPILER (VER. 3.0)

ISPN 53150-250

Produces very efficient object programs from COBOL source programs. Features include interactive accept/display and program chaining.

MICROSOFT COBOL OPTIMIZING COMPILER provides programmers with the tools they need for the next generation of OS/2 systems and standard DOS applications. Allows use of disk files, CRT screen handling, easy-to-use syntax, long variable names and readable programs. Large programs are managed effectively with COBOL because data and procedures can be hierarchically structured for efficient, clean, top-down design.

Based on the ANSI 85 COBOL standard and certified High level by NBS (National Bureau of Standards). Includes the Animator source code debugger that supports backtracking, breakpoint DO statements and periodic breakpoints. Supports in-line PERFORM, EVALUATE and INITIALIZE statements, scope delimiters, negated conditions, global variables, reference modifications and nested programs. Allows Multi-key, Sequential, Line Sequential and Relative file types. Includes overlays and expanded memory parameters, ILINK an incremental linker for OS/2, Microsoft Editor for DOS and OS/2 and supports the HUGE memory model that allows data items to be greater than 64K.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 384K | \$900.00 |

MICROSOFT CORP.

MICROSOFT FORTRAN OPTIMIZING COMPILER (VER. 5.0) ISPN 53150-325

Provides an effective and efficient implementation of FORTRAN 77 for the 16-bit microprocessor environment.

MS FORTRAN COMPILER meets the 1977 ANSI standard requirements at the subset level and includes a number of extensions that provide features of the full standard. Additional extensions are included to optimize FORTRAN in the 16-bit microcomputer environment. It is designed to take full advantage of the Intel floating point coprocessor. This support significantly improves computation speed of mathematical expressions. It also includes 8087 emulation software in case your computer does not have an 8087 coprocessor. Includes Microsoft CodeView window-oriented debugger.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Two disk drives.</i> | 5 1/4-inch disk | 320K | \$450.00 |

MICROSOFT CORP.

MICROSOFT MACRO ASSEMBLER (VER. 5.1) ISPN 53150-505

Complete assembly language program development environment. Includes Microsoft Codeview debugger for easier program debugging.

Contains enhanced macros, text macros, structure definitions and case-insensitive conditionals. Symbol space limited only by memory and simplified segment directives for easy program setup. Supports 8087/80287/80387 math coprocessors and includes INCLUDE and MASM environment variables. Comprehensive instruction set reference with examples, complete Macro Assembler programming tutorial, templates for Microsoft C (ISPN 53150-260), QuickC (ISPN 53150-261), Pascal (ISPN 53150-660), FORTRAN (ISPN 53150-325) and mixed-language programming guide. Includes CodeView, LINK, LIB, MAKE, CREF, EXEPACK and EXEMOD. Can use expanded memory to debug large programs and supports debugging of code written for the 80386 microprocessor. Allows OS/2 programs to use all available memory. Supports dynamic linking and threads and multitasking in protected mode.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Two disk drives.***MEDIUM**

5 1/4-inch disk

MEMORY

320K

PRICE

\$150.00

MICROSOFT CORP.**MICROSOFT PASCAL COMPILER (VER. 4.0)****ISBN 53150-660**

Clean, structured language especially adept at handling complex problems quickly.

Conforms to the ISO proposed ANSI Level 0 standard. It offers more extensions to the existing language than other PASCAL compilers. Generates native machine code and offers the programming advantages of a high-level language without sacrificing speed. Low level escapes to the machine level allow programs written in MS-PASCAL to achieve speeds comparable to assembly language. Offers fast numeric processing in conjunction with 8087/80287/80386 coprocessors and provides 8087/80287/80386 emulation software if your computer does not have an 8087/80287/80387 chip. Includes CodeView (a window-oriented symbolic debugger), ILINK (an incremental linker), MAKE (a program maintenance utility), EXEPACK (packs files) and EXEMOD (fine-tunes file headers).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+

*Requirements: Two disk drives.***MEDIUM**

5 1/4-inch disk

MEMORY

320K

PRICE

\$300.00

MICROSOFT CORP.**MICROSOFT QUICK C (VER. 2.0)****ISBN 53150-261**

Provides an integrated C programming language environment. Includes an editor, make utility and debugger.

MICROSOFT QUICK C lets you use from within the environment the memory model that best suits your needs. Choose from small, medium, compact, large and huge model libraries, and use the near, far and huge keywords to mix models for maximum flexibility and the fastest possible code. Hyperlinks make it possible to instantly cross-reference displayed information to other information. Hyperlinks are represented on the screen as hot spots or buttons. When you select a hyperlink, QC Advisor instantly displays cross-referenced information. All help screens feature contents and index buttons, which provide hyperlinks to general help topics. Keyword help screens also provide both a details button, which gives a full explanation of each syntax element and describes all the ways of using the statement, and an examples button, which displays executable code examples illustrating syntax use. Just copy and paste these examples into your program - now that's productivity. Other hyperlink buttons cross-reference related statements. Provides tables-of-escape sequences, print formatting characters, keyboard scan codes, ASCII charts, explanations of all error messages (syntax and routine), and other useful information for C programmers. There's also a utility included that lets you expand the database by adding your own information. And, of course, you can always print any Microsoft Quick C help screen for future reference. Has a flexible, menu-driven user interface that grows as you do. New easy menus reduce the number of menu choices, letting you concentrate on learning basic features first. A core set of commands is also provided in some dialog boxes. When you're ready, you can progress to extended full menus to access more-advanced features. The debugger lets you view

and modify local and global variables, evaluate expressions, and use watchpoints to stop program execution when the value of an expression becomes true (nonzero). An execution history function lets you view the last 20 statements your program executed, and you can display machine registers and flags.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 512K | \$99.00 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 512K | \$99.00 |

MICROSOFT CORP.

MICROSOFT QUICKBASIC (VER. 1.0)(MACINTOSH)

ISPN 53150-205

Provides a complete BASIC programming language development environment for the Macintosh computer.

Features over 200 commands, statements and functions and support for the Macintosh Toolbox. Supports HFS (Hierarchical File System) extensions such as the CHDIR statement. Gives user access to over 600 ROM routines in the Macintosh Toolbox. Allows graphics and animation with access to QuickDraw routines, string handling, sound effects with up to four simultaneous voices, and interchange of text, data and graphics between Microsoft BASIC programs and Microsoft Word (ISPN 53150-732), Microsoft Multiplan (ISPN 53150-205), MacPaint (ISPN 12784-510), and MacWrite (ISPN 12784-530). Comes with full-screen editor and editing commands, and an interactive debugger. Allows formatted output options with 'Print Using' facility. Structured programming support includes block IF/THEN/ELSE/END IF, SELECT/CASE, and WHILE/WEND statements. Subprograms can use local or shared variables, pass parameters, and be called by name. User can CALL subprograms and link libraries written in other languages to a BASIC program. Allows a variety of print formats, including asterisk fill, floating dollar signs, scientific notation, trailing minus signs, and comma insertion. Includes two math packages: a Decimal Math Package for business and financial applications and a Binary Math Package for scientific and engineering applications. Supports the Motorola 68881 math coprocessor with compiler. Provides dynamic memory allocation that lets programs take advantage of all available memory.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.00 |
| <i>Requirements: 800K disk drive.</i> | | | |

MICROSOFT CORP.

MICROSOFT QUICKBASIC (VER. 4.5)

ISPN 53150-730

Enables user to program with a menu-driven interface that compiles in memory and includes a built-in editor and a debugger.

Program quickly because you write, compile and debug without ever leaving the programming environment. Built-in editing features make writing your programs a snap. QUICKBASIC has the ability to compile in memory. You can also take advantage of structure programming capabilities without having to learn a new language. Simplify development by using separately compiled modules as building blocks for larger programs. Libraries of routines can also be built and reused whenever needed. Just link routines once at the beginning of a programming session, and they stay linked no matter how many times the code is modified. Other features include: compatibility with Microsoft GW-BASIC and IBM BASICA, compiled programs execute up to ten times

faster than with BASIC interpreters, supports modular programming, data space up to available memory, ability to call assembly language routines, direct access to DOS interrupts with supplied user library. Supports graphics (including EGA modes), BLOAD/BSAVE, sound, music, and event trapping. Supports IBM compatibles. Use of the Microsoft Mouse is optional. Includes Hypertext-based on-line reference. This program has networking capabilities.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$99.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$99.00 |

LOGITECH, INC.

MODULA-2 (VER. 3.0) DEVELOPMENT SYSTEM

ISPN 45393-100

A complete development system for programming 80 x 86-based microcomputers in the MODULA-2 language.

MODULA-2 DEVELOPMENT SYSTEM includes a compiler, symbolic debugger and module library. The compiler translates full, standard MODULA-2 source code to native machine code and supports the large model.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 192K | \$249.00 |

WORDTECH SYSTEMS, INC.

QUICKSILVER (VER. 1.3)

ISPN 96947-100

Compiles applications written in the dBASE programming language into independently executable native assembly code.

QUICKSILVER produces an .EXE file that is more compact, many times faster and executes without dBASE. Allows programmers to develop applications using dBASE, then compile for performance and allows users to run both QUICKSILVER programs and dBASE on the same data and index files. Offers full file compatibility and full syntax compatibility with dBASE. Data, index, program, report and format files are all fully compatible with dBASE. QUICKSILVER compiled applications and dBASE use the same databases. Programs written with dBASE will, in most cases, compile without modification. QUICKSILVER does not support some interactive commands such as Edit, Browse and Modify Command. Contains commands which add true windowing to the dBASE language without the need for any other software. Programmers can create, size, move, overlay, remove and restore windows for pop-up help screens or menu selection bars. It is also possible to compare two or more databases on screen at the same time. Enables users to customize the dBASE language by creating functions and then calling them from within programs. Users can create and display six kinds of graphs and charts using dBASE data. Allows up to ten data files to open simultaneously, each with up to seven open index files. Includes a fully functional demonstration compiler allowing users to test QUICKSILVER. Users can also compile demonstration versions of their applications for distribution to potential clients. Programmers may distribute as many copies of compiled programs as desired without run-time cost or additional licensing fees. Can be used with Networker Plus for record and file locking. Any number of users can share QUICKSILVER compiled applications on a local area network. Hard disk is recommended. NetWare features: Connection, File Server Environment, Locking and Printing NetWare-specific system calls; Btrieve and NetWare

SQL server-based NetWare DBMS engines; NetBIOS Peer-to-Peer communication protocol; X.25 communication API.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Two disk drives.</i> | 5 1/4-inch disk | 512K | \$599.00 |

MICRORIM, INC.

R:BASE COMPILER

ISPN 53075-600

A combination true compiler and debugger for R:BASE application programs.

R:BASE COMPILER is designed to increase application performance, speed-up programmers development time, improve database security and make distributing executable R:BASE applications easy and cost effective. The compiler translates the source code of single or multi-user R:BASE application programs into object code and .EXE files. User-defined functions extend the R:BASE language. The symbolic debugger cuts application time and increases application integrity.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 512K | \$895.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Hard disk.</i> | 3 1/2-inch disk | 512K | \$895.00 |

LANGUAGE PROCESSORS, INC.

RM/FORTRAN (VER. 2.4)

ISPN 43571-680

Enables smaller systems to run existing mini-computer and mainframe FORTRAN II applications.

Also includes developing programs of equivalent size and capability. Full implementation of FORTRAN-77 that carries the language extensions popular with FORTRAN programmers. It supports programs and arrays larger than 64K bytes and produces object code optimized for very fast execution. Features: GSA-certified error-free at the highest possible level - ANSI-77 standard program. Supports programs and arrays larger than 64K bytes. Extensively optimizes object code for high-speed execution. Supports IEEE floating point arithmetic. Interactive debugger provides efficient, sophisticated mainframe debugging capabilities. Supports floating-point arithmetic coprocessors. Cross reference lists all labels and variables with source and destination indications. Allows assembly language subroutines to be called during execution. Track-back feature enables users to identify all subroutines involved in an error condition. Common subexpressions are remembered within basic blocks and not recalculated at each use. Expressions involving only DP loop invariant terms and DO induction variables are calculated using addition rather than multiplication. Current contents of machine registers are remembered, where possible, to eliminate redundant loads and stores. Variables known to contain constant values are replaced by those values. Constant arithmetic expressions are evaluated at compile time. Constant terms in subscript expressions are integrated with the array address at compile time. Unnecessary arithmetic or logical operations (e.g., M1, 1-0) are eliminated. Type conversion of constants is performed at compile time. Intrinsic functions are expanded inline, where possible. Native instruction sets are taken advantage of, where possible, to improve object code sequences, as in using branch and decrement type instructions to

control loops, or using a memory increment instruction to accomplish $1 = 1 + 1$. Symbolic names (other than external names) may be 31 characters in length. Binary-pattern and bit processing functions defined the Industrial Real-time Fortran (IRTF). Supports IOR, IAND, NOT, IEOB, ISHL, ISHA, ISHC, BTEST, IBSET, IBCLR and IBCHNG standards. The Z field descriptor allows hexadecimal editing of an I/O list item of any type. Hollerith and hexadecimal forms of constants are supported. Conditional compile option allows designation lines to be a part of the program or to be treated as comments. Upper and lower case letters are permitted. With version 2.4, RM/FORTAN now has RM/Forte which is an integrated software development environment. Other enhancements include a fast syntax checking-only capability, a faster math coprocessor emulation library, improved inter-language communication and enhanced documentation. The 8087/80287 emulator has been enhanced in the 2.4 version to make programs execute almost five times faster than earlier versions of RM/FORTAN using 8087 emulation. Price varies.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

720K

PRICE

\$595.00

ABACUS SOFTWARE**SUPER C****ISPN 00337-065**

Includes an editor, compiler, linker and handbook to take full advantage of the 'C' language.

Provides a full-screen editor which allows the user to create source files up to 41K in length (larger on the Commodore 128). The editor includes search and replace functions and features horizontal and vertical scrolling on a 40-column monitor. The Commodore 128 version supports 40- or 80-column monitors. The compiler (maximum of 53K object code) creates files which the linker turns into a ready-to-run machine language program. The linker combines up to seven separately compiled modules into one executable program. The I/O library includes many of the standard functions, including printf and fprintf, with libraries for math functions and graphics. The runtime library may be called from machine language or included as a BASIC look-alike program. Supports strings and arrays, and recursive programming techniques. Comes with a 275-page manual. Printer is optional.

SYSTEM

COMMODORE 64/128

MEDIUM

5 1/4-inch disk

MEMORY

64K

PRICE

\$59.95

ABACUS SOFTWARE**SUPER PASCAL****ISPN 00337-645**

A full PASCAL compiler and language development package that has a complete source file editor, a full assembler and utility package.

In addition to almost all of the elements of the Jensen and Wirth language, you get special features such as high resolution graphics, sprites and file management. It is so advanced that you can even handle interrupts in the PASCAL language. And for extra special needs, by interfacing the ASSEMBLER/MONITOR package you have direct access to your PASCAL variables. It compiles to 6502 machine language. Your compiled programs can be saved, loaded and run like BASIC programs but will run much faster. Use it for program development since it has full file handling capabilities for sequential and relative data management, multi-dimensional arrays, dynamic storage with the

procedure NEW, pointer variables and easy string handling procedures and functions. Built in editor, utility tools and integrated assembler for machine code requirements.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$59.95 |

SYMANTEC

THINK C (VER. 4.0)

ISPN 77413-240

A high performance C compiler which includes a Macintosh-style source level debugger.

THINK C disks contain LightspeedC, Macintosh and Unix compatibility libraries and sources. Lightspeed utilities include RMaker, ResEdit and MacsBug, LightspeedC demo programs, a multi-file text editor, high performance native code compiler, ultra-fast linker and automatic 'make' facility, as well as full Macintosh Toolbox Operating System and Unix-compatibility library support. Users can create, save, modify, compile, link and launch programs without ever leaving LightspeedC. Gives the ability for Switcher users to jump between LightspeedC and the running program. Created desk accessories can be run directly from this program. Provides four to eight percent smaller code, ANSI style function prototype, and assembles the MC68000 instruction set and Desk Accessory Shell program. Supports 68020 processor, the 68881 math coprocessor and includes precompiled headers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$249.00 |

TML SYSTEMS, INC.

TML PASCAL II FOR THE MACINTOSH (VER. 3.0)

ISPN 82182-500

A native-code Pascal compiler designed for creating any type of Macintosh program, including desktop and textbook programs.

TML PASCAL II FOR MACINTOSH can be used to create MPW tool applications, definition procedures, HyperCard XCMD's and XFCN's and desk accessories. Implemented within Apple's Macintosh Programmer's Workshop (MPW) environment, TML PASCAL II offers the Mac programmer greater flexibility as well as unlimited alternatives for creating truly powerful applications on the Macintosh. Has the ability to support data types greater than 32K in size and integrates code with all other MPW languages. Creates both assembly source code as well as object code output. Supports conditional compilation, Object Pascal, and Apple's new Symbolic Application Debugging Environment (SADE). TML PASCAL II is compatible with MultiFinder. Components of this program include the TML PASCAL II optimizing compiler, complete MPW software and documentation, a user's guide and a language reference manual, TML project manager, a Pascal source formatting tool, a Pascal cross-reference tool, MacsBugs, ResEdit and several on-disk examples.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$195.00 |

BORLAND INT'L.

TURBO ASSEMBLER/DEBUGGER

ISPN 08225-130

An assembly language development package that includes a debugger and is compatible with Microsofts Macro Assembler.

Provides easy interfacing with high-level languages including Turbo C (ISPN 8225-151) and Turbo Pascal (8225-100). Provides full support for Intel 80386 based systems. Includes thorough type checking, nested structures and unions, multimodule cross reference, and assembles multiple files. The debugger supports overlapping windows, generalized breakpoints, remote debugging, data debugging, and session logging (tracks and records users every action). Allows user to browse through data, inspect arrays, and walk through linked lists. Supports CodeView, .MAP-compatible programs, and EMS (Expanded Memory Specification).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$149.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$149.95 |

BORLAND INT'L.

TURBO BASIC (VER. 1.1)

ISPN 08225-149

A development environment that combines an interactive editor, memory to memory compiler and trace debugging systems.

Supports 8087 math co-processor, if available, and the EGA card. Compiles up to 15000 lines per minute. Compatible with BASICA and GW-Basic. Has a context-sensitive help system. Generates native code executable files and linkable chain files. Provides recursive procedures and functions with true local variables. Allows as many 64K arrays as will fit in memory. 64K of string space is available. Features block structured programming: statements and free Microcalc spreadsheet with source code. Supports 32-bit long integer data type, a full 80-bit precision and standard IEEE floating-point format. Provides access to local, static and global variables.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$99.95 |

BORLAND INT'L.

TURBO C (VER. 2.0)

ISPN 08225-151

An ANSI C compiler with integrated source-level debugger, function library of more than 430 functions and an integrated editor.

Provides a compilation speed of more than 16,000 lines per minute, full implementation of Kernighan-Ritchie, includes automatic 8087 math co-processor support. Can be run from command line or from integrated development environment. The user interface offers pull down menus, multiple windows, online help, and built in full screen editor with EMS (Expanded Memory Specification) support. Generates native code. Includes Turbo Linker (a DOS compatible linker), six memory models, a built-in LINT utility for error checking and an integrated help system. Debugger lets user step code, watch variables and set breakpoints.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.0+
 IBM/MICROSOFT PC/MS-DOS 2.0+

5 1/4-inch disk
 3 1/2-inch disk

448K
 448K

\$149.95
 \$149.95

BORLAND INT'L.**TURBO PASCAL (VER. 5.0)****ISPN 08225-100**

Contains a Pascal language compiler and a complete applications development environment.

Includes a full-screen interactive editor providing a complete menu-driven program development environment, 11 significant digits in floating point arithmetic, built-in transcendental functions, dynamic strings with full set of string handling features, program chaining with common variables, random access data files, full support of operating systems facilities and more. The compiler instantly locates errors, automatically activates the editor and shows the location of the error in the source code. This provides an integrated programming environment that will improve the productivity of newcomers and experts alike. Compiles at a speed of 34,000 lines of code per minute. Includes an integrated source-level debugger that lets the user step code, watch variables, and set breakpoints. Supports overlays and EMS(Expanded Memory Specification). Includes a smart linker that strips out unused code and data, and a runtime library that includes source code (in Assembler and Pascal) for the System, DOS, CRT, and Turbo3 units.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 1.0+
 IBM/MICROSOFT PC/MS-DOS 1.0+

5 1/4-inch disk
 3 1/2-inch disk

448K
 448K

\$149.95
 \$149.95

BORLAND INT'L.**TURBO PASCAL FOR THE MAC****ISPN 08225-125**

Includes a complete development environment with a built-in editor and the ability to run programs while you run the compiler.

SYSTEM**MEDIUM****MEMORY****PRICE**

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

3 1/2-inch disk

512K

\$99.95

835 SYSTEMS/DATABASE MANAGEMENT SYSTEMS (ADVANCED)

REVELATION TECHNOLOGIES, INC.**ADVANCED REVELATION (VER. 2.0)****ISPN 19894-200**

Combines a DBMS, a programmers tool kit and an application processor that can produce documentation and mailing labels.

ADVANCED REVELATION is a powerful relational database management system with dictionary-driven database management, easy-to-use application processor and professional programming tools. Complete ANSI-standard SQL implementation for all files. Exclusive environmental bonding technology allows read/write access to files in many formats, including other DBMSs, spreadsheets and mainframe and minicomputers. Dictionary-driven database management centralizes 'intelligence' of application by storing all aspects of data definition in a data dictionary that can be updated or appended at any time. Exclusive self-optimizing file structure with variable-length(to 64K) and multi-valued fields, virtual joins and calculated fields. Offers four types of indexing on any number of fields and index updates take place in background. Application processor automatically creates files and fields while 'painting' windows or forms. Windows can access and update multiple files concurrently and feature security, edit checks and table mode with editing capability. Proficiency-level Help system provides assistance keyed to user's level, including context as well as concept help. Reporting capabilities include browse mode, queries generated using data entry windows, document merge processor, forms, labels and a menu-driven report generator. Compiled, structured programming language with full-screen editor and debugger are provided. Advanced Revelation Runtime is available. Supports all major networks and can be converted to multi-user with Advanced Revelation bump disk. For technical assistance call(206)746-1629. NetWare Aware features: File Server Environment and Locking NetWare-specific system calls; Explicit NetWare Transaction Tracking Service (TTS) record-locking system call; Btrieve and NetWare SQL server-based NetWare DBMS engine.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$995.00 |

ALPHA SOFTWARE CORP.

ALPHA FOUR (VER. 1.1)

ISP# 02375-010

A relational database management and application development system for both novice and expert computer users.

ALPHA FOUR is designed to be the most powerful database system available for non-programmers. Its relational capabilities provide access to information from multiple databases at one time. Enables you to design your own applications, complete with custom menus and help screens. Features a logical menu structure and an extensive help system.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 520K | \$549.00 |

Requirements: Hard disk.

INFOCOM, INC.

CORNERSTONE

ISP# 37413-010

A sophisticated database system designed specifically for the non-programmer. Learn the basics of building and using a database.

A customized keyboard template clearly labels what each function key does. Help and option keys provide immediate assistance whenever you're not sure what you can do next. Menus, prompts and questions guide you through the entire operation. It handles mailing lists, and sales tracking to personnel management and resource planning. You

can search for information according to any criteria you think of, look at reports in any format you want, plus make changes and corrections in seconds. Other features include: interactive report writer, flexible database design, fewer keystrokes for commands, combine notes and data, built-in calendar and a Hot line for customer assistance. Specifications: 8 million characters per file, 120 files per database, 255 saved formats per file, 160 fields per record, up to 4,000 characters per record, 4,000 characters per subrecord, strings - up to 255 characters per value, 15 decimal digits of precision per field, over 100 different display formats supported for dates and 10 for time, boolean expressed as true/false, on-disk tutorial, beginner's guide, and owner's handbook. Supported on all IBM PC compatibles.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$29.95 |

DATAEASE INT'L, INC.

DATAEASE (VER. 4.0)

ISPN 65662-100

A fully relational, single or multi-user database application system.

DATAEASE allows users to create a single form that updates up to 32 separate tables in just eight keystrokes. One step file creation and forms design, choice fields, spell functions and 'what you see is what you get' report formatting allow users to specify what they want done while DataEase takes care of how to do it. Developers can create and modify applications with a fully integrated menu driven interface, intuitive design and fill in the blanks approach. Data security and integrity on the network are handled transparently by the program's LAN. Manual or automatic screen refresh keeps all users up to date for concurrent access to share information and there is automatic file and record locking. Application locking schemes are adjusted with five menu choices while special update transactions can be fine-tuned with lock override commands from the program's query language. Other features include a table/form view hot key, 2 billion records per file, 2,000 files per database, subroutines, EMS support, custom error messages, eight field types, eight predefined modifiable report formats and more. Supports Maxit memory card. Technical support available at (203)374-2825. NetWare Aware features: Bindery, Connection, Locking, Printing, Semaphore NetWare-specific system calls; Implicit NetWare Transaction Tracking Service (TTS) record-locking system call; IPX Peer-to-Peer communication protocol.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2 and 5 1/4 | 640K | \$700.00 |
| NOVELL NETWARE 286 2.0A+ | 5 1/4-inch disk | 640K | \$750.00 |
| <i>Requirements: DOS 3.1+.</i> | | | |
| 3COM 3+ | 5 1/4-inch disk | 640K | \$750.00 |
| BANYAN VINES | 5 1/4-inch disk | 640K | \$750.00 |
| IBM PC LAN 1.2 | 5 1/4-inch disk | 640K | \$750.00 |

WORDPERFECT CORP.

DATAPERFECT (VER. 2.0)

ISPN 68012-075

Provides a fully relational database with the ability to store text and organize information.

DATAPERFECT is a flexible database management system designed specifically to take advantage of the network environment. Offers advanced capabilities in designing and

modifying database structures and organization. Provides on-screen data representation and a menu-driven definition scheme to facilitate defining a database structure. Features advanced database generation, search and indexing, formulas and report features. Offers file and field 'relationships' to create a relational database environment. Allows up to 99 users to access a database at once and permits viewing, editing and creating records simultaneously. If two users are editing the record at the same time, the screen and record will be updated instantly. Supports a text storage capacity of 150MB and each database can contain up to 80 files with up to 16 million records per file. As many as 80 fields per record may be defined. DATAPERFECT is compatible with other WordPerfect products such as Wordperfect (ISPN 68012-600), PlanPerfect (ISPN 68012-025), Library (ISPN 68012-625) and Office (ISPN 68012-100). Available in single and multi-user versions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 192K | \$595.00 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 192K | \$595.00 |

ASHTON-TATE

DBASE III PLUS (VER. 1.1)

ISPN 05500-160

Provides a full-featured, relational database management system.

Handling up to 128 files per record and one billion records per file, DBASE III PLUS can search for (or sort) data from up to 109 files simultaneously. It pulls data from word processing and spreadsheet files (such as those generated by FRAMEWORK II), plus from online information sources. And it even enables your PC to serve as a workstation in a local area network. Training program available (ISPN 03156-073).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 384K | \$725.00 |

Requirements: Two disk drives or hard disk.

ASHTON-TATE

DBASE IV

ISPN 05500-150

Provides a full-featured, relational database management system.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$795.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$795.00 |

ASHTON-TATE

DBASE IV LAN PACK

ISPN 05500-155

A full-featured, high-performance database management system for use on local area networks.

dBASE IV LAN PACK adds up to five simultaneous local area network users to a dBASE IV (ISPN 05500-150) installation. Includes a dBASE Access Disk and documentation for using dBASE IV in a network environment.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|----------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1 ONLY | 5 1/4-inch disk | 640K | \$995.00 |

WORDTECH SYSTEMS, INC.**DBXL/LAN (VER. 1.3)****ISPN 96947-310**

A dBASE compatible system with networking features such as NetBIOS support, autolock, concurrent browsing and E-mail.

dBXL/LAN provides all of the features of dBXL plus additional networking features including the capability to work on all standard PC LAN packages, real time screen updating, custom password protection, built-in integrity restraints, built-in data validation, task distribution and the ability to send screen captures to another node. The system is a fully programmable environment with easy-to-use but powerful editor, context sensitive help, drop down menus, comprehensive on-line manual and a tutorial feature called Intro for new users. Supports expanded memory cards. Available in single and multi-user versions. NetWare Aware features: Connection, File Server Environment, Locking and Printing NetWare-specific system calls; Btrieve and NetWare SQL server-based NetWare DBMS engines; NetBIOS Peer-to-Peer communication protocol; X.25 communication API.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 256K | \$599.00 |

ODESTA CORP.**DOUBLE HELIX II****ISPN 57709-160**

Provides a relational database/applications generator for users with little or no programming knowledge.

Uses an interactive 'visual' language of seven Macintosh-like icons. Supports an unlimited number of fields and records with fields able to contain 32,500 characters. Provides 128 sort levels and 100 visual calculation tiles for arithmetic, trigonometric, date, text, Boolean, conditions, string and logical operators. Key features include Posting, data entry, reports, data security, and search capabilities. Posting features include automatic data changes for one or more records and/or relations and automatic tagging of printed or dumped records. Automatic data validation is provided in data entry. Reports can be instantly generated and logging/journaling is provided with data security. Search capabilities include search/sort, multiple, ad hoc, programmable and quick queries. User can create custom menus, auto-open forms, on-screen help, custom help, and custom 'why' dialogues. Provides real time data update for reports and calculations. Without modification, a DOUBLE HELIX II application works on a networked system with the Helix MultiUser Kit.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$955.00 |
| <i>Requirements: Hard disk.</i> | | | |

CLARIS CORP.

FILEMAKER II

ISPN 12784-200

Provides data management, layout and drawing and extended report generation.

Provides automatic indexing of every word, date, number and calculation. The number of records, fields, and layouts are limited only by disk space. Scripts automate repetitive tasks without programming. Allows searching by range, greater than, less than, exact match, and prefix matching. Additional search capabilities include searches based on multiple fields, and criteria with 'and', 'or', and 'not' capabilities. Provides multiple search and sort formats. Users may open up to 16 files at one time. There are field types for text, number, date, picture, calculation, and summary data. Users may view and edit multiple records. Users may define calculations using more than 48 financial, data, text, logical, and statistical functions and operators. Text fields hold up to 32,767 characters with automatic word wrap. Users may enter dates, serial numbers, list of values, and default values automatically. Users can add, change, or remove field, layouts, or calculations without data loss. Provides variable field length. Integrates with other products. Users may import text with tabs, BASIC with commas, and SYLK files into new or existing records. Exports text with tabs, BASIC with commas, and SYLK files for use with other products. Keyboard equivalents are provided for most commands. Compatible with Apple's MultiFinder. Gives multiple levels of password protection to prevent updates or changes to individual files, reports and layouts. Network compatibility provided with record locking. Users may lookup files across the network. No additional software is needed to send and receive FILEMAKER II software. Supports AppleShare (ISPN 3900-100), and Tops (ISPN 11962-700). Works with LaserWriter, LaserWriter Plus, LaserWriter II NT, NTX, and SC. Will operate on the ImageWriter, ImageWriter II, and LQ.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$299.00 |
| <i>Requirements: Two 800K drives or a hard disk.</i> | | | |

DYNAMIC MICROPROCESSOR ASSOCIATES

FORMULA IV

ISPN 27200-360

A multi-user, relational database management system.

FORMULA IV creates a true multi-user environment by allowing users to add terminals to their personal computers. Can be used simultaneously by three users and includes automatic record locking and file sharing features. Users can also create applications programs without programming. Also has a built in English based query language to aid in sorts and searches among database files. Users can create reports containing data from 12 files, with up to 99 million records and 200 fields.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$695.00 |

ACIUS

FOURTH DIMENSION (VER. 2.0)

ISPN 90311-200

A relational database for the Macintosh with layout graphics and programming language.

FOURTH DIMENSION has runtime and customization capabilities. Allows more than one user to examine records in a database at the same time. When one user is modifying a record, others can view the record but not modify it. The database can have 99 data files all accessible at the same time and these files can be related through links with an unlimited number of links in each database. Each file can have 511 fields. For each field eight different data-types and six attributes can be chosen. The structure of the database can be modified at any time. A database can contain up to 16 million records, as allowed by individual computer RAM and disk space and 32,000 different layouts for each database can be created. Formats for numbers, dates, pictures and subfiles are defined in layouts. Data is entered in the user environment by using the layout design selected. Search capabilities include multiple conditions and wildcard and programmable searches. Provides mail merge, labels and quick reports and creates graphs from eight selections. Security is provided by limiting access to the structure, layouts and data. Allows user to create applications that take full advantage of the power of the Macintosh and its advanced user interface. Permits both local and global variables that can be defined within layouts or procedures. Can perform any operation that is available in the user environment and permits manipulating sets and communicating through the serial port. Routines can be built to become part of the language for the database. These routines can be written in FOURTH DIMENSION's language or in any conventional programming language that compiles to the 68000 family code. Available in single and multi-user versions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$795.00 |
| <i>Requirements: Hard disk.</i> | | | |

FOX SOFTWARE, INC.

FOXBASE+ (VER. 2.10)

ISPN 31262-275

Provides a dBASE III Plus compatible applications development system with an integrated compiler.

FOXBASE+ includes source program files, database and memo file, memory variable files, screen, report and label format files which do not require conversion or modification before use. A total of 48 files can be open concurrently. One or two dimensional arrays of memory variables are available. Allows multiple relations per database, up to 128 procedures per procedure file. The FoxBind utility automates the process of combining individual PRG files into procedure files. The program allows the user to read dBASE II and original FOXBASE databases directly. The modify command allows moving directly to the top or bottom of the document being edited. Allows full use of characters with European diacritical marks. Includes FoxCentral user interface with pull-down and pop-up menus. Allows user to establish relations among databases, create indexes, set filters and more without programming, and create custom input screens. Includes an applications generator, FoxCode, that allows the user to generate everything from a simple format(FMT) file to a complete full-featured application. User can create their own specialized templates or use one of the many shareware templates included with FoxCode. Provides a data dictionary, tree diagrammer, mockups of reports and label forms, re-indent program listings with proper capitalization for keywords and data variables and creates program headers showing which programs call the current program and the programs it calls in turn. Available in single and multi-user versions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$395.00 |

FOX SOFTWARE, INC.

FOXBASE+ LAN

ISPN 31262-111

An applications development system compatible with dBASE III Plus, designed for a multi-user environment.

FOXBASE+ LAN includes an integrated compiler, complete dBASE III Plus compatibility, source program files, database and memo file, memory variable files, screen, report and label format files. None require any conversion or modification before use. A total of 48 files can be open concurrently. Allows multiple relations per database, up to 128 procedures per procedure file. Automates the process of combining individual PRG files into procedure files, allowing the user to read dBASE III and original FOXBASE databases directly. Supports dummy versions of the multi-user command and functions which permits an application to be run in single user and multi-user environments without change. The network version provides the ability to access and concurrently update shared data files. All versions of Foxbase+ support multi-user syntax so multi-user programs can run unchanged in single user environments. Multi-user Foxbase+ is compatible with the syntax and semantics of the dBASE III+ administrator. Users of Novell Advanced NetWare (Ver. 2.00 or higher) are provided with more precise control over network printers and queues. This gives the user the ability to control the forms, number of copies and title page banner on a report-by-report basis from within FoxBASE+. The SYS function is a major enhancement which provides developers with access to key system parameters needed to make full and effective use of the capabilities of a multi-user environment. SYS is a character string valued function. Supports the FLock function for locking a file and the RLock and Lock functions for locking a record. When the on-error command has been issued to trap errors, the error and message functions can be used to identify the error and the retry command used to retry the operation. When a file has been opened for exclusive use, other users are prevented from accessing that file.

SYSTEM

3COM 3+
BANYAN VINES
IBM PC LAN 1.0
NOVELL NETWARE 286 2.0A

MEDIUM

5 1/4-inch disk
5 1/4-inch disk
5 1/4-inch disk
5 1/4-inch disk

MEMORY

512K
512K
512K
512K

PRICE

\$595.00
\$595.00
\$595.00
\$595.00

Requirements: DOS 3.1.

FOX SOFTWARE, INC.

FOXBASE+/386

ISPN 31262-278

Includes a database management system and dBASE III PLUS compiler. Utilizes the 80386 coprocessor.

FOXBASE+/386 is a complete dBASE III PLUS compatible product. Includes source program files, database and memo file, memory variable files, screen, report and label format files. None require any conversion or modification before use. A total of 48 files can be open concurrently. One or two dimensional arrays of memory variables are available. Allows multiple relations per database, upto 128 procedures per procedure file. The foxbind utility automates the process of combining individual PRG files into procedure files. The program allows the user to read dBASE II and original FOXBASE databases directly. It allows the MIN and MAX functions to be used with dates as well as numbers. Memo field may be edited and records may be skipped without leaving browse. The modify command allows moving directly to the top or bottom of the

document being edited. The document size is not limited to 5000 bytes. Provides true floating dollar-sign support in numeric picture templates. Allows full use of characters with European diacritical marks. Supports dummy versions of the multi-user command and functions. This permits an application to be run in both single and multi-user environments without change. Averages 148 percent faster than prior releases of FoxBASE+. See (ISP# 67831-100) for XENIX multiuser version. Optimized for use on 80386 machines.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 2048K | \$595.00 |

Requirements: Math co-processor.

FOX SOFTWARE, INC.

FOXBASE+/MAC (VER. 2.00)

ISP# 31262-285

A dBASE III compatible applications development system with an integrated compiler and a true Macintosh interface.

FOXBASE+/MAC includes many innovative features and language extensions which add flexibility and performance. The report writer allows users to create most reports in both columnar or free-form styles by simply drawing the desired report layout. Absolutely no programming is required. The report writer combines object-oriented and banding design. A comprehensive array of tools is provided to include fields and expressions as well as lines, rectangles, rounded rectangles and text. Dozens of math, string and relational functions are available to create sophisticated calculated fields. On-screen rulers and grids in inches or centimeters are available. Allows you to view on-screen the actual output a report will create. Zoom In and Zoom Out commands allow inspection of the overall look of a page or the detailed elements of the report. The user can control all aspects of the page layout, including margins, number of columns, column widths, gutter widths, paper size and more. FOXBASE+/MAC includes an advanced automatic label generator which generates one, two, three or four across labels with full control over type font, size and style. Lines, rectangles, rounded rectangles and pictures can be located anywhere in the label space. Accommodates any size labels. Performs indexing and sorting operations extremely fast. Allows access to thousands of external functions and commands written in C, Pascal and other languages designed to work with and extend the functionality of HyperCard (ISP# 03900-300). Up to 16 external XFCN's and/or XCMS's can be loaded at one time into FOXBASE+/MAC. The memory occupied by such functions and commands can be released by the user as desired. Contains an innovative method of linking and building applications, allowing developers who own both FOXBASE+/MAC and the Runtime module to create standalone applications, optionally using external commands and functions if desired. Developers can also incorporate their own desktop icon and initial startup screen into an application for a completely customized appearance. The heirarchical menu style lets users create customized menus. Language enhancements include SYS functions to improve filename and screen management.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--------------------------|-----------------|---------------|--------------|
| NOVELL NETWARE 286 2.0A+ | 5 1/4-inch disk | 128K | \$695.00 |

Requirements: Macintosh operating system.

| | | | |
|---|-----------------|-------|----------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |
|---|-----------------|-------|----------|

Requirements: Hard disk.

FOX SOFTWARE, INC.

FOXBASE+ /MAC-RUNTIME (VER. 2.00)

ISPN 31262-290

Enables programs developed on Foxbase +/Mac to run as stand-alone applications.

FOXBASE+ /MAC-RUNTIME contains a Foxbase engine to allow databases and programs created with the Foxbase +/Mac program to run as standalone application.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$300.00 |

Requirements: Hard disk.

ODESTA CORP.

GEOQUERY

ISPN 57709-180

Uses existing or imported information to create maps that show the geographic relationships in data.

Imports data using standard ASCII files. Data from most database and spreadsheet programs can be imported, regardless of the type of computer system. Includes standard maps of the continental United States, Alaska and Hawaii, and five-digit zip codes to locate any address in the United states. Optional maps include individual states, regions, ADI and DMA. State and regional files include boundaries for counties and major metropolitan areas. Maps can be targeted to include only specific areas of interest. Provides drawing tools for creating custom maps and allows access to data at field-level by clicking on points on the map. Gives summary reports and geographic queries on any standard or user-defined geographic area. Allows compound queries by both field value and geographic area and has a map and push pin interface. Map sizes can be as large as 22 inches by 22 inches. Provides color support on the Macintosh II and includes an interface to Hypercard (ISPN 03900-300). Supports all Macintosh printers, and is compatible with Apple's Multifinder and AppleShare (ISPN 3900-100). Technical support available from the vendor.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$395.00 |

Requirements: Two 800K disk drives or one 800K disk drive and hard disk.

PERSOFT, INC.

IZE (VER. 2.0)

ISPN 60575-317

An information management program that organizes and retrieves unstructured information.

The information managed is stored in texts. Texts can be created by using the built-in word processor or can be imported into IZE from other formats. Texts may also contain a 'hot link' to information created and stored in other programs. In this way, hot links serve as gateways to other programs and their information. In all texts, certain words are designated as keywords. Keywords identify the critical ideas or names within each text, and are the basis for this program's retrieval technology. Keywording can be done manually, or the process can be automated. In addition, IZE's hot link feature allows the user to designate keywords in documents created and stored by other applications,

such as word processors and spreadsheets. Once designated keywords can be managed and retrieved as texts. Automatically generates an outline that summarizes the results of a search request. The outline is organized into groups based on the number of texts that share any given keyword and searches can be conducted for words that have not been designated as keywords. 'Fuzzy searches' allow the user to locate texts without being certain of the spelling of the keyword. In addition, groups of keywords can be established to be equivalent to each other, so that searching for texts with one of the words finds texts with all the others. Provides the user with four major environments in which to work, including word processing, the workspace, outlines, and guidelines. Most of IZE's functions are available for groups of texts in outlines and the workspace, as well as for individual texts. Word processing allows the user to create texts within IZE or to manipulate information that has been imported into IZE. It contains such features as block copy, delete, and print, as well as on-screen page breaks and search and replace operations. The workspace allows the user to work with and switch between texts in memory without making new search requests. Texts remain in memory until released. Operations such as cutting and pasting between texts are possible using the workspace. Outlines provide a summary of all information requested by the user. A new outline is generated each time the user makes a search request. It always reflects the nature of the request and the current contents of the textbase. It is based on an analysis of the frequency of all the keywords in all texts that meet the initial search criteria. Guidelines are custom-made forms that allow the user to control the shape of outlines. Outlines visually reveal hidden relationships among texts and expand to reveal greater detail. Search requests are assisted by boolean operators that allow search criteria to be modified by 'and', 'or' and 'not'. Guidelines allow the user to create a master outline to override IZE's default outline generation criteria. Guidelines are designed to be easy to create, with features such as line promotion/deletion and group sliding, group delete, paste and copy. Guidelines can also be locked to prevent alterations and to serve as a platform for searches. Filters specify a group of keywords as equivalent to each other for search purposes. They customize the appearance and structure of outlines. Hypertext links provide one-key access to related texts without searching. They also establish fixed relationships between texts and provide a visual indication that one text refers to another. Guided entry allows the optional use of templates for uniform entry of information and the creation of templates. Import capabilities include the ability to automatically split large incoming files into separate texts and auto-linking to create text links between multiple files. Convenience features include a context-sensitive help system, automated installation, and customizable screen colors. Each textbase can contain as many as 32,000 texts or have a capacity of 32 megabytes, whichever is filled first. Each text can be as long as 32,000 characters, and each text can have as many as 300 keywords. Comes with an installation guide, sample textbase diskette, tutorial, reference manual, and a guide to printers and hot links. Also includes a quick start card and reference card.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$495.00 |
| <i>Requirements: Hard disk, one disk drive.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$495.00 |

NANTUCKET CORP.

MCMAX (VER. 2.0)

ISPN 55949-500

Provides a database management system for the Macintosh that supports dBASE III and dBASE III+ files and applications.

MCMAX is a dBASE compatible relational database management system for the Macintosh family of computers. MCMAX allows existing dBASE applications to run up to ten times faster without re-entering data or re-writing code. There are no fees for distributing applications. Enhancements to the dBASE language enable the addition of Macintosh interface features including alert and file boxes, resizable windows with scroll bars, cursor icons, buttons and context-sensitive help. Allows the creation of applications which adhere to Apple's ten Human Interface Guidelines and offers serial support, HyperCard XCMDs and XFCN support. User-defined reads enable data validation and the ability to develop modeless applications. Offers an Assist mode with access to commands via pull-down menus and buttons. MCMAX (VER. 2.0) also features an easy to use programming editor, utilities to create database files, labels and reports, on-line help and a debugger.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$295.00 |
| <i>Requirements: Hard disk or two disk drives.</i> | | | |

BLYTH SOFTWARE, INC.

OMNIS 3 PLUS/EXPRESS (VER. 2.5)

ISPN 58775-515

Provides a relational, programmable database that comes with an applications generator that automates building of an Omnis library.

OMNIS 3 PLUS EXPRESS features include an unlimited number of data files (as large as 160MB each) and simultaneous usage for up to 64 users. Features include: Up to 1,440 fields open at one time, up to 144 indexes open at one time; nine levels of sorting; nine levels of subtotalling, as well as general heading, detail heading and grand total section; any number of search formats can be specified and stored, up to 50 search rules per format; libraries, including passwords, can be encrypted; larger array; additional string variables; linked text fields with word wrap; ability to create scroll boxes; ability to execute instructions based on the cursor entering a field, leaving a field or the mouse clicking in a field; directly import and export data to and from other database programs in SYLK, DIF text or ASCII format; up to 12 separate or continuous screens available per layout, any number of layouts per library; up to 9,600 fields per report; 60 totalled fields per report format. Includes a manual.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$249.00 |
| <i>Requirements: Hard disk.</i> | | | |

ORACLE CORP.

ORACLE FOR 1-2-3

ISPN 58667-600

Provides a relational database which operates from within Lotus 1-2-3 worksheets.

Solves the memory, performance and database problems encountered by Lotus 1-2-3 users trying to manage data in large or multiple worksheets. Users manage their data with a full-function relational database and access it at will from within Lotus 1-2-3 worksheets. Features include instant updating of database just by changing worksheet cells, full data security, transaction management and recovery for data integrity, and distributed database functionality. SQL (Structured Query Language) commands can be stored as 1-2-3 functions. The user retrieves ORACLE data through simple menu

commands which are transparently converted to SQL statements or the user can also choose to type SQL statements directly on their own.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Intel 286 or 386 CPU, 1 MB extended memory, 5 MB hard disk, Lotus 1-2-3 Ver-2.01 (ISPN 45525-050).</i> | 5 1/4-inch disk | 1500K | \$299.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X <i>Requirements: Intel 286 or 386 CPU, 1 MB extended memory, 5 MB hard disk, Lotus 1-2-3 Ver-2.01 (ISPN 45525-050).</i> | 3 1/2-inch disk | 1500K | \$299.00 |

PROVUE DEVELOPMENT CORP.

PANORAMA (VER. 1.1)

ISPN 63531-600

Can import, sort, select, categorize or calculate thousands of records in seconds, and can automatically create an outline.

PANORAMA handles direct mail chores from start to finish, including organizing and maintaining accurate mailing lists, creating and printing customized form letters and mailing labels and even calculating postage. The FlashArt gallery revolutionizes the way the database handles pictures. PANORAMA features like Clairvoyance, value bars and smart defaults dramatically improve data entry speed and accuracy, while built in charts eliminate the hassle of transferring data to a separate charting program. Combines the speed and simplicity of a spreadsheet with powerful forms capabilities. You can open multiple windows for a single database (spreadsheet, forms and charts) or you can access several databases at once (or both). Look up information in one database and automatically transfer it to another. Drawing tools allow you to create and modify complex forms and reports. Lets you create as many forms and reports as you need. You can import graphics from almost any Macintosh application.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$395.00 |

BORLAND INT'L.

PARADOX (VER. 2.0)

ISPN 08225-500

A powerful, high performance relational database management system.

PARADOX offers an enhanced edition of the PARADOX Personal Programmer to guide developers through a step-by-step process to create applications. Includes support of both EMS and EEMS extended memory protocols, which can increase performance up to 40 percent. Record capacity is expanded from 65,000 per file to more than 2 billion. Other advanced features include multiple levels of password protection at field, table and user levels, full protection and encryption support on multiple levels and primary and secondary indexing maintained automatically. Tables in use concurrently are only limited by hardware capacity. Offers 255 columns per record, 255 characters per field and 4,000 bytes per record. Data entry and edit features include multi-table data entry and update capabilities, alphanumeric, numeric date and currency and validity checking. Query by example (QBE) provides intuitive access to data without programming. Selection criteria include ranges, pattern matching, 'AND', 'OR', negation and inexact matching through the 'LIKE' operator. Relational operations include projection, join, union, intersection, difference, cross-product, addition, deletion and update. Built-in calculations include sum, count, minimum, maximum, average, arbitrary

column calculations and evaluation of expressions. Reports can be designed from menus with word-wrap, 15 reports per table, 16 sort or grouping levels per report, calculated and summary fields and calculations of calculated fields. Paradox Application Language (PAL) offers a high level programming language for application development. The program editor has an interactive debugger. Multi-user features include: Unlimited users can concurrently view, edit, query and generate reports from the same table; automatic updates, table and record locking; and deadly embrace protection.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$495.00 |
| <i>Requirements: Two disk drives or hard disk, CGA, EGA or MGA.</i> | | | |
| IBM/MICROSOFT OS/2 1.0+ | 5 1/4-inch disk | 3072K | \$725.00 |
| 3COM 3+ | 5 1/4-inch disk | 512K | \$995.00 |
| IBM PC LAN 1.0 | 5 1/4-inch disk | 512K | \$995.00 |
| NOVELL NETWARE 286 2.0A | 5 1/4-inch disk | 512K | \$995.00 |
| <i>Requirements: DOS 2.0+ or OS/2 operating system.</i> | | | |
| BANYAN VINES | 5 1/4-inch disk | 512K | \$995.00 |

BORLAND INT'L.

PARADOX 386

ISPN 08225-550

A high performance relational database management system that takes advantage of the power of an Intel 80386-based computer system.

With PARADOX 386, you call up a form and check off the information needed. An artificial intelligence technique called 'heuristic query optimization' gives PARADOX's QBE (Query-by-Example) the ability to figure out the right answer and the fastest way to get it. Makes high-speed links between one piece of data and another and sees the relationships your questions call for. PARADOX 386 lets your PC perform like a personal mainframe or minicomputer at your desk - the larger the application and the more plentiful the extended memory resources, the more dramatic the performance improvement. With sufficient extended memory available, PARADOX 386 speeds up not only applications but also one-time-only operations on large tables such as sorting records, reporting data or querying. Minimizes data transfers between disk and memory. All existing Paradox tables, forms and reports can be used in PARADOX 386. Provides full application portability to Paradox (Ver. 2.0)(ISPN 08225-500). There is no need to rewrite any existing Paradox(Ver. 2.0) applications or to learn any new commands or menu selections.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2 and 5 1/4 | 1536K | \$895.00 |
| <i>Requirements: Intel 80386-based system, hard disk.</i> | | | |

INFORMATION BUILDERS, INC.

PC/FOCUS (VER. 3.0)

ISPN 37675-200

Provides a complete database and information control system that includes windowing capabilities, 3-D graphics and communications.

PC/FOCUS has been designed with the same automatic features of mainframe FOCUS. These features include: Logical file names, auto search file, built-in editor, file existence test, concurrent processing, output scrolling, user interrupts, report writer, dialogue manager, database management, file browsing, graphs, formal statistical analysis,

financial modeling, user vocabulary, help facility, text editor and file transfer(asynchronous communications). PC/FOCUS is delivered on five dual sided floppy diskettes. You copy the files from these diskettes to your hard disk and thereafter PC/FOCUS operates from the hard disk. PC/FOCUS comes with an accelerator board. This board must be inserted in one of the expansion slots of your PC where the memory expansion or monitor controller boards are installed.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$1295.00 |
| <i>Requirements: Hard disk.</i> | | | |

SOFTWARE PUBLISHING CORP.

PROFESSIONAL FILE (VER. 2.01)

ISPN 73300-080

A complete file management and reporting program. Can organize, update, retrieve, analyze, and report information.

PROFESSIONAL FILE is a full-function flat file database management program which allows corporate decision makers to easily access, organize and analyze data. Directly accesses dBASE III (ISPN 05500-160) files without cumbersome importing procedures, writing special dBASE programs or relying on the corporate information center to produce the reports. Includes an application generator that creates custom applications without programming. Data can be entered and edited not only in a form view, but also in a list format called a table view. Offers a look-up capability, which is a semi-relational feature that enables users to access data from related files, including dBASE files. PROFESSIONAL FILE also allows users to import/export dBASE III, Lotus 1-2-3 (ISPN 45525-050), delimited and fixed-length ASCII. Other features include cross tab reporting, password protection for data files and applications, data recovery file, pull-down menus, custom help screens, keyboard macros to automate repetitive tasks and an on-line help facility for quick problem solving.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$299.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 512K | \$299.00 |

MICRORIM, INC.

R:BASE 5000

ISPN 53075-250

Relational database management system featuring application generation capabilities, database query, report writing and more.

R:BASE 5000 offers flexible database modification and data entry. Features Application Express, an automated system for creating applications and a compiler for locking down the source code in applications. Maximum capacities include 40 tables (files), 400 columns (fields) per database, 1350-character row (record) size and rows per table and per database limited to DOS file size. Command line input is 1,600 characters maximum. Databases created using R:BASE 4000 or Clout are fully compatible with R:BASE 5000. Uses a fill-in-the-blanks method for defining databases and a complete procedural language for writing applications. Language includes 'if then/else' and 'goto' conditional processing commands and 'while' command for looping. Features pre-defined command file macros for specific operations. The number of user-definable variables is dependant on memory size. The Report format can be automatically generated in Application Express or drawn on screen with cursor control keys stored for future use.

Eliminates the need for programming. Offers line-by-line control for specifying printer control codes and compressed printing. Report formatting can be up to 66 lines long and 131 characters wide. Data entry forms can be automatically created with the Express system or forms can be drawn on screen using cursor control keys. The forms option can be used to enter information into multiple tables, single or multi-page forms, depending on user preference. A browse capability allows user to view and edit multiple rows of data, with horizontal and vertical scrolling. A training program is available (ISP 03156-110).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$495.00 |

MICRORIM, INC.

R:BASE EXTENDED REPORT WRITER

ISP 53075-050

Gives the R:Base user additional features including page and line breaks, reports from multiple files, and text/data merging.

With R:BASE EXTENDED REPORT WRITER users can create complex reports with up to 250 lines per page and more than 255 character page widths. Includes the flexibility of conditional processing, substring extraction and the ability to assign over 200 calculated variables. Comes with 25 additional functions that further manipulate text, change data types and perform advanced math functions. Detailed control over masking, headers, footer, decimal points, commas, zeros, justification and word wrapping.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$295.00 |

Requirements: Any 80 or 132-column ASCII compatible printer.

MICRORIM, INC.

R:BASE FOR DOS (VER. 2.11)

ISP 53075-255

A fully relational database management system, featuring prompt by example, guides users through DBMS command creation and more.

R:BASE FOR DOS features a menu-driven, interactive user interface with built-in mouse support. Fifteen of the most popular Structured Query Language (SQL) commands are included. Modules for database definition, forms, reports and applications lets novices create fully automatic DBMS applications without learning to program. Experienced programmers may quickly prototype applications. Over 70 mathematical, statistical, financial, string manipulation, logic trigonometric and data type functions are included. R:BASE FOR DOS has a unique 4,092 character variable length searchable NOTE field. FileGateway imports and exports data between R:BASE and other popular microcomputer software as well as mainframes. The multi-user capabilities of R:BASE FOR DOS allow for simultaneous data entry and edit with concurrency control and data security. Supports laser printer, modems and more. Technical support is available at (206) 883-0888.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 640K | \$725.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 640K | \$725.00 |

MICRORIM, INC.**R:BASE FOR OS/2****ISPN 53075-400**

Contains a complete, multi-tasking, relational database management system for use under IBM/Microsoft OS/2.

Allows application development to be done without programming. EXPRESS technology extends throughout R:BASE for DOS and gives real programming power to any level of user. SuperMath provides over 70 mathematical, statistical, financial, logic, trigonometric, string manipulation, and data type functions. Includes Crosstabs, computed columns and double-precision real number accuracy. FileGateway, within R:BASE for DOS, is a data import/export facility allowing data interchange with virtually every business software format including Lotus, ASCII fixed or delimited, Visicalc (DIF) and Multiplan (SYLK). FileGateway can also import directly from pfs: and dBASE. Other features include enhanced processing speed, a searchable NOTE field, a procedural language, VIEWS on up to five tables and no copy protection. Supports 15 of the most popular Structured Query Language (SQL) commands which conform to the ANSI standard and to DB2 syntax where the ANSI standard does not exist. SQL commands provided are Create, Alter Table, Drop, Select, Insert, Update, Delete, Declare Cursor, Fetch, Grant and Revoke. Password protection can be assigned to databases, tables, and views. Zip command allows user to exit to DOS without exiting R:BASE. Includes CodeLock-Application encoder to prevent unwanted tampering of applications programs. Database specifications are Maximum Tables (Files) Per Database: 80, Maximum Columns (Fields) Per Database: 800, Maximum Row (Record) Size: 4,096bytes, Maximum Rows Per Table (Records Per File): maximum DOS file size, Maximum Rows (Records) Per Database: maximum DOS file size, Command Line Input: 5,000 characters. Supports simultaneous data entry and edit with concurrency control. Multiple users can edit or update information in the same row and column at the same time. Should someone else change data that is displayed on the screen, R:BASE will refresh the screen before any changes are committed. Provides automatic time lock release and automatic protection against 'Deadly Embrace' (the lock-up of a database when two users attempt to lock the same set of tables at the same time). Supports the Lotus-Intel-Microsoft Extended Memory Specification (EMS) and multi-tasking under OS/2.

SYSTEM

IBM/MICROSOFT OS/2 1.0
IBM/MICROSOFT OS/2 1.0

MEDIUM

5 1/4-inch disk
3 1/2-inch disk

MEMORY

640K
640K

PRICE

\$895.00
\$895.00

BORLAND INT'L.**REFLEX (VER. 2.0)****ISPN 08225-086**

A relational database that gives users the ability to create databases, access data and produce reports.

REFLEX enables you to create, store and recall customized versions of as many data views as desired, including graph, crosstab, report, list, form, and mail merge views. Using the 'tiled' windows, you can work with all views (except report) on-screen simultaneously. All views are hot-linked, so changes in one window are reflected in all. The disk-based architecture supports databases up to the DOS file limit of 32MB each, so every file can have up to 65,000 records. Crosstabs can be as large as 800 rows by 800 columns. Continuously and automatically saves your work as you go. Allows you to streamline many tasks by embedding formulas in your work. You can create formulas

that make calculated fields in forms, and you can enter a formula into a graph view and plot results on the graph. Gives you the capability to plug a formula into a list view to make a column of new data, or enter a formula into a crosstab heading. Allows you to export and import files to and from other programs, including Paradox (ISPN 03672-850) and Quattro (ISPN 08225-300). REFLEX gives you fields of up to 8,000 characters. The 'Set Size' command lets you change both the width and height of your field to fit the data. Allows you to change directories, copy files and execute other DOS programs without exiting REFLEX. Works in color with EGA and VGA color monitors. Using a palette of 16 colors, you can assign any color desired to any screen element, and print your color output with plotters and color printers. Provides several types of graphs to choose from, including scatter, line, stacked bar and pie charts. Enables you to export REFLEX work as .PIC or .EPS files to other software packages, and use your REFLEX graphs in other documents or desktop publishing. Supports most popular printers and plotters, including those that use the PostScript page description language. Provides a mail merge feature which enables you to match your written communication to any or all segments of your mailing list. The 'Mailing Label' mode in Report View automatically prints the appropriate addresses on standard mailing labels - one, two or three across. You can also create your own custom-printed labels.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Graphics adapter, hard disk.</i> | 5 1/4-inch disk | 512K | \$249.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Graphics adapter, hard disk.</i> | 3 1/2-inch disk | 512K | \$249.95 |

838 SYSTEMS/DATABASE MANAGEMENT SYSTEMS (BASIC)

ALPHA SOFTWARE CORP.

ALPHA/THREE

ISPN 02375-001

A sophisticated stand-alone database system with file structures that are identical to dBASE III.

ALPHA III includes user-designed input screens, full-screen editing of data, the ability to link up to four files when generating a report or entering data, the ability to reconfigure a database at any time and the ability to create keyboard macros. ALPHA III also can be integrated with popular programs and directly reads and writes 1-2-3 Worksheet files, dBASE II DBF files, Multiplan Symbolic files and VisiCalc DIF files. With ALPHA III's report writer, users may print reports on the screen using a full-screen editor with the functionality of a word processor. Reports can contain up to three levels of control breaks with a number of statistical calculations available, including average, count, total, minimum and maximum. Up to three additional files maybe linked in a report. With the database input forms function, users can design an unlimited number of input screens for use during data entry, editing and viewing. Input screens, which can be up to three pages long, can contain up to ten temporary fields that do not exist as part of the ALPHA III records, but which are computed each time the data is displayed. Databases can be appended to create larger ones, can be joined on common fields and can be summarized. Data can also be posted from one database to another. Databases can be copied to the same disk or a new disk in sequential or index order and deleted records may be ignored or copied. ALPHA III does not have the ability to generate macros. It also

is not a relational database but can do relational functions. Quickly creates custom reports, form letters and input screens. Changes and updates records or creates perfect mailing labels wither for a database created with ALPHA III or with dBASE. A hard disk is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 320K | \$295.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 320K | \$295.00 |

CLEAR SOFTWARE, INC.

CLEAR

ISPN 90936-030

Enables the user to produce high-quality documentation, including flow charts, tree charts and source prints.

Provides a flow chart simulation mode which can be used to test program flow without dBASE. Allows background printing and multiple page charts. Runs any dBASE command, including dBASE interpreters, text editors, and compilers. Supports dBASE II, III, and III Plus. Supports FoxBASE Plus, Clipper, dBaseXL, and Quicksilver up to the level of the dBASE III Plus standard. Extended commands found only in dBASE compatible languages, such as User Defined Functions and For/Next loops, are not depicted on flow charts. Available in a dot matrix printer version and a Hewlett Packard LaserJet Plus version. 640K of RAM is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$199.95 |
| <i>Requirements: HP LaserJet Plus version. CGA, EGA or Hercules Graphics Adapter, two disk drives or hard disk, dBASE III (ISPN 05500-160).</i> | | | |

TIMEWORKS, INC.

DATA MANAGER PC

ISPN 82000-095

Contains a general information storage and retrieval system with 'x-search', a cross-search feature. Includes Report Writer.

Stores any type of information. For reference, information can be recalled by category, name, date range, amount range, location, etc. In addition, 'X-SEARCH' allows you to cross-search any of the above categories. Statistical analysis of amounts is also possible. The system also contains an index code which lets you setup your own classifications and a safety feature which allows you to generate extra backup copies of your recorded information to guard against the loss of important information. Interfaces with Word Writer and SwiftCalc.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$39.95 |

ASHTON-TATE

DBASE MAC

ISPN 05500-168

A highly advanced database to help make heads and tails out of even the most complicated data management tasks.

DBASE MAC is designed for business associates. Includes up to 36 files open simultaneously, unlimited number of records per file, maximum 32,001 characters per record, unlimited number of interfile relationships, seven different field types, including text, numeric, date, time, logical, choices and image. All fields are available for sorting (except graphic image). Also includes 19 digits of numerical precision, 51 different calculation functions, full implementation of Mac User Interface Standards, on-disk and written tutorials, custom report and label generation without programming, direct access to dBASE II, dBASE III, dBASE III PLUS data files, import/export Lotus 1-2-3, Helix, Omnis/3, Microsoft File and many others via industry standard ASCII files. Supports AppleTalk network for printing. Supports all ImageWriter printers, LaserWriter and LaserWriter Plus. On-line help is available.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$495.00 |
| <i>Requirements: Two 800K disk drives, or one 400K disk drive and one 800 disk drive or disk drive and hard disk.</i> | | | |

BERKELEY SOFTWAREWORKS

GEOFILE

ISP# 07440-350

A graphics-based data filing system for use with GEOS, which sorts, organizes, retrieves, and merges.

Organize information in forms you create. Variable sorting and retrieving options. Ability to merge information from or into other GEOS based programs. Free updates to version 1.0 users only. Customers can produce a unlimited number of backups providing they have a valid GEOS boot disk.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$49.95 |

BERKELEY SOFTWAREWORKS

GEOFILE FOR THE APPLE (VER. 1.0)

ISP# 07440-352

A graphics-based, data filing system which sorts, organizes, retrieves and merges data.

A 256K RAM Expansion Board and a mouse are recommended.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$69.95 |
| <i>Requirements: Double hi-res graphics capability, joystick or mouse.</i> | | | |

PUBLISHING INT'L.

INDEX CARDS (VER. 1.1)

ISP# 63743-302

A general database designed as index cards that can be used for any type of information that needs to be organized.

INDEX CARDS provides an extremely flexible organizing tool within a simple, familiar environment. Provides for three areas of information entry (Personal, Business and

Miscellaneous are shown, but these may be changed to any other title desired - coins, stamps and miscellaneous).

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$21.95 |

BRODERBUND SOFTWARE, INC.

MEMORY MATE

ISPN 08850-092

Contains a memory resident, unstructured database.

With MEMORY MATE, once a record (up to 60 lines each) is entered, every word, phrase and date is automatically indexed and cross-indexed. MEMORY MATE can retrieve that record and all related records based on any word, date, or phrase that is chosen. Resides in memory so that records can be accessed right in the middle of a major program.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$69.95 |

MICROSOFT CORP.

MICROSOFT FILE (VER. 2.0)

ISPN 53150-275

Gives user control to record, organize, manage and sort information or to change and reshape that information as needs change.

Features include storage capacities with file size limited only by disk, field length of up to 32,767 characters, up to 1023 fields per record, and up to 65,535 records per file. Also the List Helper function assists the user step-by-step, building the database as you answer its questions. On-Line Help is there when you need it with comprehensive context-sensitive support for every command, and built-in report generator stores your favorite report formats for use with any datafile information. You are also able to design your own forms, use text, numeric, date, picture, calculated and memo fields, show records in list format, separate labels from fields, add fields at any time, redesign fields at any time, and the hide area keeps confidential data in the datafile, but hides it from view in the datafile window. You can use 100 predesigned and ready to use formats, and bring in color graphics from most graphic programs. Entering information is easy with variable length fields, from one line to several pages, save information automatically, automatic reformatting, error checking, repeat last entry with a touch of a key, enter date and time from the keyboard, cut and paste information from one file to another, and cut and paste information from other programs. Additional features include the ability to search on multiple criteria (up to seven search fields) sort on multiple fields (up to nine fields at one time) in ascending or descending order, save records to merge with other programs, print records multi-column as mailing labels, and build indexes to speed your queries. Reports are created with a built-in report generator, summary reports, preview reports before printing, report calculations including total, average, and record count, subtotal, minimum and maximum, and standard deviation. Reports can be merged with MicroSoft Word documents. Place headers and footers in reports, place page numbers in reports and save an unlimited number of report formats. Works with any Macintosh compatible printer including ImageWriter, LaserWriter, LaserWriter Plus and other postscript compatible printers. SuperPaint (ISPN 70237-020), AutoMac III, a sampler disk of 118 pre-design templates, and an 80-page sampler guidebook are bundled with the program. Includes enhanced integration with Microsoft

Word (ISPN 53150-730) for Mail Merge, multi-column label printing, custom paper size for forms, indexing default and compatibility with the color Macintosh II and MultiFinder.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$195.00 |

SCHOLASTIC, INC.

PFS-FILE/REPORT

ISPN 68075-077

Creates charts, columns, lists, tables and forms, performs calculations and alphabetizes records.

PFS-FILE/REPORT is designed for home business and for recording family data such as insurance policies, automobile records, finance and investment information. Enables user to create and update files.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|-----------------|---------------|--------------|
| APPLE II, II +, IIC, IIE, IIGS | 5 1/4-inch disk | 128K | \$32.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$32.95 |

POWER BASE SYSTEMS, INC.

POWERBASE 2.3

ISPN 61662-610

Provides a menu-driven, relational database management system for non-programming oriented users.

Provides multi-file reporting capabilities and a powerlinks feature that enables users to transfer data between POWERBASE and virtually all software products available. The data zoom feature allows the user to rapidly move from one file to another to access related information. Other features include query-by-example, user-defined selection criteria, data validation, report-time calculations, summary reporting, and full screen editing. The foreign language support allows for data to be entered in 13 languages. With the command mode, the user may quickly move through menus and the global update allows for revision of multiple records simultaneously. Quickstart provides quick exposure to powerbase for the novice through expert user. Quicklist scans on-screen reports before they are printed. Mailing label are customizable. Provides on-screen instructions and error messages in plain English, and reporting capabilities on data from as many as ten files with multiple sort levels. Search capabilities go directly to the chosen record. Data zoom provides instant access to related information in other files. It is fully menu-driven and information may be shared with other computer systems.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$349.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$349.00 |

845 SYSTEMS/DEVICE/UTILITY CONTROLLERS

INSIGHT DEVELOPMENT CORP.

LASERCONTROL (VER. 3.3)

ISPN 38541-480

Allows you to make your laser printer work with applications that do not support laser printers.

LASERCONTROL features simple font management. Fonts are selected and soft-fonts are downloaded via a Lotus-style menu, without leaving your application. Now you can choose Times Roman 12 Point, Portrait instead of typing TRP120RPN.USB. Select page layout commands from a simple menu. Printer emulations include Diablo 630, Qume Sprint V, NEC 3550/5510/7710, Epson MX80/FX80 and IBM Graphics Printers. You may print at your printer's maximum resolution: 300 dpi. You can scale the size of the printed image up or down and position it on the page anywhere you choose. Pop-up and non-pop-up versions access LASERCONTROL without leaving your application. Non-pop-up version reduces memory requirement. To save time, you can create and store standard setting sheets for each application. You can even batch-load LASERCONTROL and a specific setting sheet with your application. Data compression technique speeds printing and allows larger, higher-resolution images to be stored in less memory. Supports all downloadable and cartridge fonts. You can also download soft fonts automatically via batch files. Printers supported include: HP LaserJet, LaserJet Plus, LaserJet 500 Plus, LaserJet Series II, DeskJet and compatibles.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Laser printer.</i> | 5 1/4-inch disk | 128K | \$150.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Laser printer.</i> | 3 1/2-inch disk | 128K | \$150.00 |

INSIGHT DEVELOPMENT CORP.

MACPRINT

ISPN 38541-510

Enables you to print text and graphics using Hewlett Packard's LaserJet or DeskJet series of printers.

With MACPRINT, you need select the printer only once from the chooser menu. Everything else is automatic. MACPRINT displays all your printer's resident fonts on your screen. If no resident font is found, MACPRINT creates a printable font based on the Macintosh QuickDraw screen font, maintaining spacing, style, and word wrap. What you see on the screen is what you'll see in print. With MACPRINT, you can choose 75, 150 or 300 dpi resolution. Supports LaserJet II and IID features including duplex, dual bin, and letterhead printing. Also supports legal and standard sizes. In addition it supports screen dumps, and all HP internal and cartridge fonts. Printers supported include HP DeskJet, DeskJet Plus, LaserJet II, LaserJet III and LaserJet Plus, as well as HP-compatible printers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: HP LaserJet, HP DeskJet or HP-compatible printer.</i> | 3 1/2-inch disk | 512K | \$149.00 |

MANY LINK CORP.**MANYLINK FOR NETWARE (VER. 2.14)****ISPN 56557-120**

Adds peer-to-peer local hard disk file transfer and local printer sharing to NetWare networks.

MANYLINK FOR NETWARE is an add-in software package for Novell NetWare networks which also provides electronic messaging. All features are controlled through the system's menu-driven, RAM-resident user interface. Each workstation can support up to three serial or parallel network printers. Plotters can also be networked. All printing is done in the background without disrupting the workstation user. Full queueing and spooling facilities are provided. Peer-to-peer file transfers are initiated through MANYLINK's RAM-resident user interface and they are executed in the background. Provides directory locking and file encryption to prevent unauthorized access to sensitive data. CHAT feature allows users to send brief messages to other users on the network without exiting to DOS. Supports CGA, EGA, Hercules graphics card, serial and parallel printers and plotters. Available in single and multi-user versions. NetWare Aware features: Binder, Connection, directory, File Server Environment, Message and Printing NetWare-specific system calls; IPS Peer-to-Peer communication protocol; HLLAPI and LLAPI communication APIs.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 40K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 40K | \$495.00 |

CAERE CORP.**OMNIPAGE****ISPN 10394-500**

Gives desktop scanners the capability of recognizing any page, plus a mix of images, fonts and variable font sizes.

Allows users to scan pages from newspapers and magazines, contracts, insurance claim forms, government paperwork, telephone directories, transcripts and almost any business document or other page. Does not sacrifice accuracy in reading complex pages. The MS-DOS version consists of software and an add-in card which contains a 68020 coprocessor and two megabytes of RAM. The coprocessor allows Omnipage MS-DOS to run in the background while the user runs another application. Runs under Microsoft Windows 2.03 (ISPN 53150-735) and includes drivers for the Hewlett Packard ScanJet and the Canon IX-12 scanners, but works with virtually all other desktop scanners. Users can save text from scanned pages in any of 16 popular MS-DOS file formats for word processing. These formats include WordPerfect (ISPN 68012-600), WangPC, Sprint, DisplayWrite 3 & 4, DEC WPS PLUS/DX, ASCII, WordStar (ISPN 81050-400), CEOWrite, NAVY DIF, MultiMate (ISPN 74137-100), Samna Word IV (ISPN 67737-850), WordStar2000 (ISPN 81050-720), Word MARC, Microsoft Word (ISPN 53150-731), Volkswriter 3 (ISPN 44675-125) and DCA/RFT and FFT.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$2495.00 |
| <i>Requirements: Scanner, Microsoft Windows (ISPN 53150-735).</i> | | | |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$795.00 |
| <i>Requirements: Scanner.</i> | | | |

INSIGHT DEVELOPMENT CORP.

PRINTAPLOT

ISPN 38541-610

Turns your printer into a plotter and enables you to print up to ten times faster.

PRINTAPLOT enables you to print at your printer's maximum resolution: 300 dpi for laser and inkjet printers, 360 x 360 for 24-pin dot-matrix printers. Data compression techniques provide improvement in printing speed. Multiple graphics files can be queued for unattended printing. Data compression also allows larger, higher-resolution images to be stored in less memory. You can scale the size of the printed image up or down. Drawings can be enlarged up to 150 percent or reduced to 1 percent of full size. Lets you use virtually any printer with any application that supports the HP 7470, 7475 or ColorPro plotters. Improves throughput, resolution and appearance even with graphics packages that have resident drivers. Performs quick check drawings. Renders colors in varying shades of gray. You can select pen widths, shading or colors from a Lotus-like menu. This program supports the following laser printers: Hewlett-Packard models and compatibles, as well as Xerox, Canon, Epson, Okidata, QMS and Panasonic. Supports the following inkjet printers: Hewlett-Packard and Canon models, including ThinkJet, PaintJet, QuietJet, DeskJet, and the Canon BJ130. Supports the following dot-matrix printers: Toshiba, Hewlett-Packard, Okidata and Epson models and compatibles.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$199.00 |
| <i>Requirements: Printer.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$199.00 |
| <i>Requirements: Printer.</i> | | | |

SOFTSTYLE, INC.

**PRINTWORKS FOR MAC-DOT MATRIX VERSION
(VER. 3.5)**

ISPN 72235-085

Printer driver package for Macintosh users allowing full support of over 20 dot matrix and inkjet printers including the HP PaintJet.

Each printer is supported with true system level drivers, providing the broadest possible compatibility with Macintosh applications. Each driver is installed with Apple's Installer, and is selected in the Chooser, the same as Apple's own drivers. Supports the combination of printer fonts or cartridge fonts with Macintosh graphics, high resolution graphics from object-oriented applications, RAM based spooling, and Page Preview from many Macintosh applications. Includes support for such color printers as the ImageWriter II, Epson JX-80, and HP PaintJet. Eight-color printing is supported not only from color applications using Macintosh color ROM calls, but also from black-and-white object-oriented applications such as MacDraw 1.9 or Excel 1.05.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$75.00 |
| <i>Requirements: Macintosh XL-under MacWorks (ISPN 77034-500) environment.</i> | | | |
| <i>Standard Mac supports only ImageWriter or compatible dot-matrix printers.</i> | | | |

SOFTSTYLE, INC.

PRINTWORKS FOR MAC-LASER VERSION (VER. 3.0)

ISPN 72235-090

Printer driver package allowing full support of laser printers such as the HP LaserJet, Canon, Epson, NCR, Xerox and compatibles.

Each printer is supported with true system level print drivers. Each driver is installed with Apple's Installer, and is selected in the Chooser, the same as Apple's own drivers. Supports the combination of printer fonts or cartridge fonts with Macintosh graphics, high resolution graphics from object-oriented applications with up to 300 dots per inch on laser printers with enough memory, RAM-based spooling, and Page Preview from many Macintosh applications.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$145.00 |

MICRORIM, INC.

R:BASE CLOUT (VER. 2.0)

ISPN 53075-150

Provides a natural language interface for the R:BASE series of relational data base management products.

With CLOUT, you can analyze data files with commands in your own words, not computerese, and merge information from different files without re-inputting the data. Features automatic data scanning and cross referencing, on-line help and automatic spelling checker. Uses upper/lower, singular/plural. CLOUT learns your new phrases in a dialogue manner. New words or phrases can be added to permanent dictionary. You can build your own dictionary of up to 500 words and phrases, in addition to the built in dictionary of over 300 words and phrases. CLOUT has Filegateway. Filegateway enables you to use CLOUT with any data filed created by dBASE II, Lotus 1-2-3, PFS:File, DIF files from programs like MultiPlan and ASCII files used by other popular programs or on mainframe computers. This program can convert files with records up to 1600 characters long and contain up to 400 fields.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 448K | \$275.00 |

Requirements: Two disk drives or hard disk.

ASHTON-TATE

SIGN-MASTER (VER. 5.1)

ISPN 05500-580

Puts your information into a professional-looking format, or you can create your own design.

SIGN-MASTER enables you to place your information anywhere you want with just a few keystrokes. Lets you highlight words, headings or any other part of your charts. You get character-by-character control over the program's full complement of eight typefaces, including 94 graphic symbols, 16 type sizes, eight or more colors, and you also have total control over underlining, italics and justification. Even helps you outside the conference room by enabling you to create more professional-looking signs, handouts and other notices for use throughout your company.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 1.0+

MEDIUM

3 1/2-inch disk

MEMORY

384K

PRICE

\$265.00

SUPERMAC TECHNOLOGY**SUPERSPOOL (VER. 5.0)****ISPN 77125-800**

Print spooler designed for use with the direct-connect ImageWriter that works with all Macintosh applications.

Works with all major Macintosh applications (Excel and Pagemaker). Documents can be printed in a continuous stream and queue automatically. The user can view all the jobs in the print queue, change the order, delete jobs, pause the printer and receive extensive on-screen help-without leaving the application program. Handles large and complex graphics, spreadsheets or database documents. Allows user to switch between applications without disrupting printing. Program is hard disk compatible. Multi-page documents are spooled as one document instead of multiple documents.

SYSTEM

APPLE MAC, +, SE, XL, IIX, IICX, IICI

*Requirements: 800K disk drive.***MEDIUM**

3 1/2-inch disk

MEMORY

512K

PRICE

\$99.95

TOPS DIV. OF SUN MICROSYSTEMS**TOPS NETPRINT****ISPN 11962-701**

Allows IBM PC's to output print files and convert them to a PostScript format for the Apple LaserWriter using the program Tops.

True LaserWriter quality (including LaserWriter fonts and graphics) from your IBM or compatible personal computer. Up to 32 personal computers (including Macs) can share LaserWriters on the TOPS Network. Designed to work with all popular software applications. Lets you change fonts and styles within your text. Use your applications as you normally would. No special procedures required. Prints in the background as you continue to work in your application. Automatically sends print to the LaserWriter or any other printer you choose. Prints to the first available network printer or to one you specify. Prints as many copies as you want. Gives you the choice of assorted LaserWriter fonts. Provides pre-defined formatting codes for often-used font, styles and size combinations. Lets you print on your stationary with an optional sheet feeding mode.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Tops (ISPN 11962-704).***MEDIUM**

5 1/4-inch disk

MEMORY

640K

PRICE

\$189.00

PERSONICS CORP.**ULTRAVISION FOR EGA****ISPN 60679-702**

On EGA systems you can choose sizes up to 94X63 with a fixed frequency monitor or up to 132X44 with a multiscanning monitor.

ULTRAVISION FOR EGA fills video support gap by unlocking the hidden power of your EGA and giving your application programs the ability to exploit the new display

capabilities. ULTRAVISION FOR EGA lets you redefine the screen colors used by most text and graphics-based applications, with 64 colors to choose from. ULTRAVISION FOR EGA remembers your preferences, and even lets you save multiple color sets to suit different applications and lighting conditions. When monitors convert color signals to shades of gray, some background/foreground color combinations are difficult to read. Lets you rearrange the intensities and adjust contrasts until everything looks just right. Gives you a library of 20 distinctive screen fonts to choose from. You will find a variety of typefaces designed for exceptional legibility plus a collection of novelty fonts for those lighter moments. Choose from Roman, Sans-serif, Courier, Script, Data, Broadway, Old English and others. ULTRAVISION FOR EGA lets you see more than 80X25 characters on screen in a host of popular applications. With several longer and wider screen sizes to choose from, you will see more and scroll less. Boosts text resolution dramatically. ULTRAVISION FOR EGA has a built-in video accelerator that cranks up screen writing performance.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$119.95 |

PERSONICS CORP.

ULTRAVISION FOR VGA

ISPN 60679-701

On VGA systems you can choose sizes up to 94X63 with a fixed frequency monitor or up to 132X44 with a multiscanning monitor.

ULTRAVISION FOR VGA fills video support gap by unlocking the hidden power of your VGA and giving your application programs the ability to exploit the new display capabilities. ULTRAVISION FOR VGA lets you redefine the screen colors used by most text and graphics-based applications, with 64 colors to choose from. ULTRAVISION FOR VGA remembers your preferences, and even lets you save multiple color sets to suit different applications and lighting conditions. When monitors convert color signals to shades of gray, some background/foreground color combinations are difficult to read. Lets you rearrange the intensities and adjust contrasts until everything looks just right. Gives you a library of 20 distinctive screen fonts to choose from. You will find a variety of typefaces designed for exceptional legibility plus a collection of novelty fonts for those lighter moments. Choose from Roman, Sans-serif, Courier, Script, Data, Broadway, Old English and others. ULTRAVISION FOR VGA lets you see more than 80X25 characters on screen in a host of popular applications. With several longer and wider screen sizes to choose from, you will see more and scroll less. Boosts text resolution dramatically. ULTRAVISION FOR VGA has a built-in video accelerator that cranks up screen writing performance.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$119.95 |

855 SYSTEMS/INFORMATION RETRIEVAL

ASKSAM SYSTEMS**ASKSAM (VER. 4.0)****ISPN 68968-100**

An information storage and retrieval system for use with both textual and numeric information.

ASKSAM's files consist of records that may contain free-form text and/or variable length fields. Records can be linked to form unlimited length documents. Records may be updated at any time with a full-screen text editor. It is possible to retrieve and sort on anything entered in a record including a single character, wild cards, calendar dates and arithmetic comparisons. Multiple records may be updated using batch operations. Additional features include word processing capabilities and a command language, the creating and use of stored programs, passwords and encryption, proximity searching, a report generator, automatic phone dialer, Hypertext facility, on-line context-sensitive help, an optional index facility, global scanning, dialogue boxes, shell to DOS, linkage of graphic images to text files, and the ability to spawn templates and program records to a new file. Output may be routed to the screen, printer or disk and the import or export of ASCII files from other systems, including dBASE, is supported. Includes a manual.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$295.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$295.00 |
| BANYAN VINES | 5 1/4-inch disk | 640K | \$895.00 |
| <i>Requirements: 1-10 workstations. 256K per workstation.</i> | | | |
| IBM PC LAN 1.0 | 5 1/4-inch disk | 640K | \$895.00 |
| <i>Requirements: 1-10 workstations. 256K per workstation.</i> | | | |
| NOVELL NETWARE 286 2.0A | 5 1/4-inch disk | 640K | \$895.00 |
| <i>Requirements: 1-10 workstations. DOS operating system, 256K per workstation.</i> | | | |
| TOPS | 5 1/4-inch disk | 640K | \$895.00 |
| <i>Requirements: 1-10 users.</i> | | | |
| 3COM 3+ | 5 1/4-inch disk | 640K | \$895.00 |
| <i>Requirements: 1-10 workstations. 256K per workstation.</i> | | | |

MICROLYTICS, INC.**GOFER (VER. 1.0)****ISPN 52573-500**

Finds and retrieves files and text within floppy or hard disks. Reduces files, searches and copies text.

GOPHER finds text in virtually any file, including word processor, spreadsheet, database and desktop publishing. Needs no indexes to keep track of information. Once GOFER has found the text, the user can paste it into the document or application currently being worked on, print it, write it to a new file on disk or browse through files. Can create a collection of 'found text' which contains the text the user was searching for in context (user specifies the number of surrounding lines of text to be captured). Makes a note of the drive, subdirectory and file names for each occurrence of the search words. GOFER can be used as a pop-up utility inside of a word processor, communications program or spreadsheet. Copies text between different file formats on the fly. That means the user can create a new document in WordPerfect and retrieve text from DisplayWrite,

WordStar, XyWrite or dozens of other formats, because GOFER converts the text automatically. The user may run GOFER directly from DOS as a stand alone application. Macintosh version operates as a desk accessory and is compatible with TOPS (ISPN 11962-700) and with AppleShare (ISPN 3900-100). This allows the user to locate and view text within a file, create disk files of found text or prepare summaries from each search request. Network users can take advantage of GOFER's ability to search text on most file servers including 3COM and Novell. Includes a file compression feature which can double the amount of disk space available. Searches compressed files without decompressing them. Copies and pastes text from a compressed file into a new document. Management features enable the user to organize information with tree diagrams of directories and subdirectories, and copy, delete or rename files without DOS commands. Searches Ventura, PageMaker and other desktop publishing files and works with other RAM resident utilities and telecommunications software. Supports FullWrite (ISPN 05500-200), MacWrite II (ISPN 12784-530), Word 4.0 and Microsoft Works (ISPN 53150-740). The wild card function and search-set feature make it easier for users to locate hard-to-find information. The wild card option allows users to retrieve lost data using a minimal amount of information, such as a partial phone number, address or zip code. The search - set feature allows users to retrieve specific information from a number of sources by saving pre-defined searches as a separate file. These search sets can then be implemented when a routine search is performed.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 79K | \$79.95 |
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$79.95 |

SYMMETRY CORP.

PICTUREBASE (VER. 1.2)

ISPN 77437-550

Organizes Macintosh clip art (paint, pict or pict/embedded postscript) and documents into a library of pictures.

Includes PICTUREBASE desk accessory for retrieving pictures without leaving the current application and for added convenience, Apple's Switcher utility. Also a collection of useful and interesting pictures ready to use. Features include: Organize, store and retrieve pictures from MacPaint, Fullpaint, PICT File, MacDraw or any of the popular clip art packages. Give each picture a name and description and organize them into convenient Library Files. Up to 5,500 pages of pictures are stored in each Library File. Automatic search for a picture by either title or description. Copy all or any part of a picture to or from the clipboard. Both an application and a desk accessory. Has auto save feature and supports graphics as bitmap or object.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.00 |

OLDUVAI CORP.

READ-IT! OCR PC

ISPN 57812-601

Offers software-only optical character recognition for the IBM PC and any scanner.

READ-IT! OCR PC saves you the trouble of manually typing stacks of documents. Allows you to enter anything, including a massive database on paper, a manuscript, a book, an entire newspaper, a phone directory, a magazine or a fax document. If your scanner can

scan it, READ-IT! OCR PC can read it. Drivers for all popular scanners, such as the Canon/Princeton, Microtek and Hewlett-Packard ScanJet are included in the package for direct scanning within the application. READ-IT! OCR PC also supports universal tiff file format, meaning that a file scanned from any scanner can be converted by READ-IT! OCR PC into a standard text file in minutes. The program comes pre-trained for most popular office typefaces including typewriter, dot-matrix and laser print fonts. READ-IT! OCR PC is also fully trainable and can even learn foreign and special characters in under 15 minutes.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$495.00 |

ZYLAB CORP.

ZYINDEX FEATURES (VER. 3.0)

ISPN 87487-925

Enhances and extends the search capabilities of ZyINDEX. Provides a user-modifiable thesaurus.

ZYINDEX FEATURES allows you to search for a word or phrase which can be limited to a restricted field within a document. Creates infinite levels of nested fields to restrict the search to a certain area and a certain sample of records within that field. Includes full macro capabilities for combining macros with fields in a search request. Allows users to create macros and fields using an ASCII word processor and store them in two existing files to be edited at any time. Permits you to specify any word or phrase in a file as the field boundary and to define a field on the search request line to find a subject occurring between two terms. A built-in thesaurus contains 20,000 core-words, each with up to 15 synonyms. New core-words and synonyms may be added and customized for their own applications. Includes a user's manual. ZYINDEX FEATURES is an add-on product for ZyINDEX Professional (ISPN 87487-920), ZyINDEX Plus (ISPN 87487-900) and ZyINDEX Server (ISPN 87487-950). Available as a multi-user program.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 448K | \$95.00 |
| <i>Requirements: Hard disk drive and ZyINDEX Professional (ISPN 87487-920), ZyINDEX Plus (ISPN 87487-900) or ZyINDEX Server (ISPN 87487-100).</i> | | | |

ZYLAB CORP.

ZYINDEX PERSONAL (VER. 3.0)

ISPN 87487-100

A full-text search and retrieval system with auto indexing. Designed for users needing to manage up to 500 files.

ZyINDEX PERSONAL is a full-text search and retrieval system designed to locate needed information in a collection of files within a matter of seconds. Has a maximum file limit of 500 files. The search requests can be up to 160 characters of words and phrases using the boolean operators: AND, OR, NOT and Proximity. Provides complete control and flexibility with retrieved files. The search terms are highlighted in their entirety in the displayed text. The mark and save option saves needed portions of text to a file or the printer. There is also an option to print the entire file. Free technical support is available every business day. Training and customization are also available.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 448K | \$95.00 |

ZYLAB CORP.**ZYINDEX PLUS (VER. 3.0)**

ISPN 87487-900

A full-text search and retrieval system for multi-user network systems or single computer users with 'heavy text crunchers' needs.

ZyINDEX PLUS is designed to locate needed information in a collection of files within a matter of seconds. Operates with pure ASCII and most word processing files. Has a maximum file limit of 15,000 files per index list. Supports multiple index lists, allowing an unlimited number of files to be indexed and searched. Search requests can be up to 160 characters of words and phrases using the boolean operators: And, Or, Not and Proximity. ZyINDEX PLUS provides complete control and flexibility with retrieved files. The search terms are highlighted in their entirety in the displayed text. The mark and save option saves needed portions of text to a file or the printer. There is also an option to print the entire file. Includes the Researcher Package which consists of an annotation feature, page and line numbers when viewing a file after searching, LAN capabilities that support up to five users with the option to add more, grouping capabilities to restrict access of groups to sensitive files and ZyList which lists all the words in the index list and their frequency. Different price schedules are available for limited site license, corporate user site license and volume discount. Free technical support is available every business day. Training and customization are also available. Available in both single user and multi-user versions. NetWare Aware features: Bindery NetWare-specific system call; Implicit NetWare Transaction Tracking Service (TTS) record-locking call.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 448K | \$695.00 |
| <i>Requirements: Hard disk drive.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 448K | \$695.00 |

ZYLAB CORP.**ZYINDEX PROFESSIONAL (VER. 3.0)**

ISPN 87487-920

A full-text search and retrieval system with a maximum file limit of 5,000 files per index list.

ZyINDEX PROFESSIONAL is designed to locate needed information in a collection of files within a matter of seconds. Operates with pure ASCII and most word processing files. Has a maximum file limit of 5,000 files per index list. Supports multiple index lists allowing an unlimited number of files to be indexed and searched. Search requests can be up to 160 characters of words and phrases using the boolean operators: And, Or, Not and Proximity. ZyINDEX PROFESSIONAL provides complete control and flexibility with retrieved files. The search terms are highlighted in their entirety in the displayed text. The mark and save option saves needed portions of text to a file or the printer. There is also an option to print the entire file. Free technical support is available every business day. Training and customization are also available.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 448K | \$295.00 |
| <i>Requirements: Hard disk.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 448K | \$295.00 |

861 SYSTEMS/OPERATING SYSTEMS

BERKELEY SOFTWAREWORKS

APPLE GEOS

ISPN 07440-050

Includes the geoWrite, geoSpell, Text Grabber, geoMerge, geoPaint, geoLaser and deskTop interfaces with fully integrated features.

The deskTop is the graphic interface from which GEOS system operates. Supports ProDOS files and hierarchical file structure. Automatically sorts files alphabetically or by size, type or date of last modification. Files can be viewed in either icon or text mode. Simultaneously supports multiple combinations of disk drives and RAM disks. GeoWrite contains all the GEOS-compatible tools a writer needs to make professional documents, including 'WYSIWYG' (What You See Is What You Get) orientation, multiple font images and variable styles including bold, italic, underline and outline. Integrates geoPaint graphics. Margins can be up to eight inches, and text can be justified and centered. Features variable vertical spacing, search and replace functions, headers and footers, superscript, subscript, and decimal tabs. GeoSpell finds and corrects misspelled words in any geoWrite document. Contains a dictionary which includes over 28,000 words. The user can create personal dictionaries for specialized vocabularies, and edit and update personal dictionaries at any time. Automatically scans geoDictionary alongside personal dictionary and features global search and replace options. Text Grabber converts existing documents to the GEOS environment from other word processing programs. Files from other word processors are imported with formatting commands intact. After converting files into geoWrite documents, the user can change fonts, format styles and paste in graphics. GeoMerge is an adaptable mail merge program that creates personalized form letters from geoWrite documents. GeoPaint is a full-featured graphics workshop which enables the user to create charts, diagrams or full-page images up to eight by eleven inches. Features 14 separate graphic tools, 32 different brush shapes, and 32 distinctive painting patterns. The user may cut, copy and paste images into other GEOS applications and documents, zoom in for detailed work, and preview entire pages. GeoLaser produces near-typeset quality output with an Apple LaserWriter printer. LaserWriter fonts are automatically enhanced for crisp, clean appearance. It is also possible to create multi-column and windowed pages with the overlay print option.

SYSTEM

APPLE II, II +, IIC, IIE, IIGS

Requirements: 80-column card.

MEDIUM

5 1/4-inch disk

MEMORY

128K

PRICE

\$69.95

SOFTLOGIC SOLUTIONS, INC.

DOUBLEDOS (VER. 5.0)

ISPN 72143-100

Allows you to run two programs at the same time without the need to modify or replace your DOS based software.

DOUBLEDOS lets the two programs share the processor, as well as the various system facilities provided by DOS. Programs execute in exactly the same manner as without DOUBLEDOS, however, DOUBLEDOS shares the CPU between the programs. It is especially efficient when one of the programs is receiving input from the keyboard. CPU time waiting for your keystroke is used for the other program. The same approach is applied to disk and other printer operations. DOUBLEDOS permits all time the processor

would normally spend waiting for a response to be used by the other program. It divides your available memory into two separate areas and then permits you to start a program to run in each. Each program runs in a dedicated portion of memory. You may choose the division of memory in any way you desire. Supports 1MB of LIM EMS 4.0 bank switching hardware.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$69.95 |

CONSUMERS SOFTWARE, INC.

DUET

ISPN 19265-600

A memory-resident operating system for 'printers' that can decode and print Lotus files without loading the Lotus program.

DUET allows user to check a directory and select another file to add to the queue and view the contents of the queue onscreen. Prints spreadsheets and text sideways using compressed print or double width. Automatically changes spacing and advances paper by page or line. Does not require any memorization of escape sequences. Duet takes care of printing up to 50 files after the files are stacked in the queue, letting user work on other tasks. The pop up menu lets user choose between portrait and landscape modes, do page formatting, select fonts, send macros, select number of copies, select paper cassettes and auto underline. The font generator creates or customizes fonts for sideways printing on a dot matrix printer. Builds or alters fonts letter by letter and adds special characters designed by the user. Includes a suspend/resume printing feature. Saves print queues through a power failure. The timer can be set to print files at a specific time. Supports most dot matrix, letter quality and laser printers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 128K | \$89.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050), printer.</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 128K | \$89.95 |
| <i>Requirements: Lotus 1-2-3 (ISPN 45525-050), printer.</i> | | | |

DIGITAL RESEARCH, INC.

GEM/3 DESKTOP RELEASE 3.0

ISPN 25550-515

Allows an IBM PC to be used as easily as the Macintosh, but with all the power of an IBM.

With GEM DESKTOP software you can have your IBM PC do everything from single commands to complex functions simply by pointing with a cursor and clicking a button or using a mouse, a graphics tablet or your computer's keyboard. Your files look like file folders. Disk drives look like disks. There's even a waste basket for discarding unwanted files. Necessary commands are only a finger's touch away, inside convenient drop-down menus at the top of your screen. What does all this mean for you? It means that you can use your computer as naturally as you can pick up and move objects on your desk. Helps you organize your work. For example, GEM DESKTOP lets you move or copy information simply by moving icons from one window to another. Or delete information just by dragging a file to the wastebasket icon. Uses scroll bars, to let you view the off-screen contents of any window, quickly and easily.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| <i>Requirements: CGA, EGA, Hercules Graphics Adaptor, mouse system PC MOUSE.</i> | | | |

BERKELEY SOFTWAREWORKS**GEOS (VER. 2.0)****ISBN 07440-400**

A graphic interface which creates and manages information using icons, menus and windows.

GEOS allows all file handling to be done on the GEOS deskTop, the graphic interface and management tool for GEOS. Sorts files by name, type, size or date. The user points at the file icon and clicks to copy, move, print or delete a file. File access and management is five to seven times faster with diskTurbo. Includes three integrated applications--geoWrite, geoSpell and geoPaint. GeoWrite is a word processor. Features include word-wrap; decimal tab and margin settings; individual paragraph formatting; left, center, right and full justification; insert, delete, copy and move text; full page preview; and search and replace capabilities. The user can choose from ten different fonts with a variety of styles and point sizes, or import graphics from geoPaint. What is seen on the screen is what the final output looks like. Also includes geoSpell, a 38,000-plus word dictionary with global search and replace features. Enables the user to create, edit and update personal dictionaries. GeoPaint is a full-featured graphics editor. The user can produce any number of high-quality graphic images using the fourteen different tools and shapes, paint or fill in shapes with 32 different patterns, zoom in for pixel editing or display the full page and add titles or captions in different fonts, styles or point sizes. Also includes Text Grabber, geoMerge and geoLaser. Text Grabber allows the user to import text from other word processors. GeoMerge enables the user to create form letters, and geoLaser lets the user print from the Apple LaserWriter. In addition, there are several desk accessories such as a calculator, notepad, alarm clock, photo and text manager and albums for extra help when needed.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$59.95 |

BERKELEY SOFTWAREWORKS**GEOS 128 (VER. 2.0)****ISBN 07440-405**

A graphic interface which creates and manages information using icons, menus and windows.

All file handling is done on the GEOS deskTop, the graphic interface and management tool for GEOS. Sorts files by name, type, size or date. The user points at the file icon and clicks to copy, move, print or delete a file. File access and management is five to seven times faster with diskTurbo. Includes three integrated applications--geoWrite, geoSpell and geoPaint. GeoWrite is a word processor. Features include word-wrap; decimal tab and margin settings; individual paragraph formatting; left, center, right and full justification; insert, delete, copy and move text; full page preview; and search and replace capabilities. The user can choose from ten different fonts with a variety of styles and point sizes, or import a graphic from geoPaint. What is seen on the screen is what the final output looks like. Also includes geoSpell, a 38,000 plus word dictionary with global search and replace features. Enables the user to create, edit and update personal dictionaries. GeoPaint is a full-featured graphics editor. The user can produce any

number of high-quality graphic images using the fourteen different tools and shapes, paint or fill in shapes with 32 different patterns, zoom in for pixel editing or display the full page, and add titles or captions in different fonts, styles or point sizes. Also includes Text Grabber, geoMerge, and geoLaser. Text Grabber allows the user to import text from other word processors, geoMerge enables the user to create form letters, and geoLaser lets the user print from the Apple LaserWriter. In addition, there are several desk accessories, such as a calculator, notepad, alarm clock, photo and text manager and albums for extra help when needed. Also includes features to take advantage of Commodore 128 computer: 80 column resolution, 2 MHz processing speed, and numeric keypad support. Compatible with 1750 RAM Expansion Unit.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| COMMODORE 128 | 5 1/4-inch disk | 128K | \$69.95 |
| <i>Requirements: 80-column RGB monitor, 1541 or 1571 disk drive, joystick or mouse.</i> | | | |

LOTUS DEVELOPMENT CORP.

LOTUS HAL (VER. 1.0)

ISP#N 45525-300

Users give instructions to Lotus 1-2-3 through English phrases called 'requests'. Makes many tasks quicker and easier to perform.

LOTUS HAL is a memory-resident program that works directly with 1-2-3 to create worksheets. Simplifies virtually all of the tasks required of 1-2-3 entering formulas, formatting, moving and copying data, sorting databases, extracting data, creating graphs and much more. HAL requires Lotus 1-2-3 VER-1A or VER-2 or VER-2.1.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 512K | \$150.00 |
| <i>Requirements: Lotus 1-2-3 (ISP#N 45525-050).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 512K | \$150.00 |
| <i>Requirements: Lotus 1-2-3 (ISP#N 45525-050).</i> | | | |

PETER NORTON COMPUTING, INC.

NORTON COMMANDER (VER. 2.0)

ISP#N 57287-350

A powerful 'point and shoot' DOS enhancement shell that allows you to view, copy, delete and load files and edit user menus.

Point to a directory and The Commander jumps to it. Point to your data file and The Commander runs your data with its matching program. Speed through listings, update files, delete and copy. Built-in sweep functions manage your disk. Add your own user menus for one-key operation.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 128K | \$89.00 |

WATERLOO MICROSYSTEMS

PORT LITE

ISP#N 85721-600

Provides organizations with disk and printer sharing, as well as an electronic mail option and more.

PORT LITE is a LAN that provides flexible disk serving capabilities. Provides automatic power down protection, disk-to-disk backup, modem sharing, shared printers on any workstation or server and more. Each workstation may share up to three printers. With flexible disk serving capabilities one disk drive may be shared on each workstation, enabling the workstation to become a disk server. Up to five disk drives can be shared per network. Users can use a DOS interface or an icon-based interface. The icon interface is based on a metaphor of 'rooms'. File and record locks are recovered automatically when a PC fails or is turned off. Helps protect data files from loss and unauthorized use through common sense techniques used in mainframe and minicomputer systems. Users can transfer mail messages within a LAN. Mail also allows users to send carbon copies, blind carbon copies and registered copies of mail messages.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$495.00 |

RYAN MCFARLAND

RM/COBOL-85 (VER. 4.1)

ISPN 67300-100

A high level implementation of ANSI '74 COBOL standard, as well as GSA certified.

RM/COBOL-85 is a modern COBOL compiler/runtime system conforming to both 1985 and 1974 ANSI standards for the COBOL language. An error-free, high-level implementation of the ANSI X3.23-1985 standard, RM/COBOL-85 contains language extensions for X/OPEN and SAA compliance. This system allows the compilation of applications into machine-independent portable object which can be re-hosted without access to the original source code. This capability, along with sophisticated language extensions, superb runtime performance and data file system flexibility and integrity complete a full-scale, professional COBOL application platform. Designed for 16 and 32-bit computers, RM/COBOL-85 is available on all major industry standard microcomputer technologies, including Motorola and Intel processors running UNIX, XENIX, AIX, DOS and OS/2 operating systems. The RM/COBOL-85 system is also available on several proprietary platforms. RM/CO* for DOS is the first implementation of RM/s advanced development environment - the initial offering in a planned series of products for commercial applications written in RM/COBOL-85. RM/CO* is engineered to automate the cyclic edit/compile/debug process for professional software developers. Prices vary.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$1250.00 |

SOFTLOGIC SOLUTIONS, INC.

SOFTWARE CAROUSEL (VER. 3.01)

ISPN 72143-650

A software tool in which you can load up to ten programs at once and then switch between them with the stroke of two keys.

SOFTWARE CAROUSEL with up to 12 different programs gives instantaneous access to your database, communications, spelling checker, spreadsheet, word processor, RAM resident utilities and languages. A memory resident data interchange utility allows cut and paste functions from any screen, as well as re-formatting of the data to fit the input

requirements of any destination program. For additional information, contact the software publisher.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$79.95 |

865 SYSTEMS/PROGRAM/REPORT GENERATORS

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC PLUS EASYFILER AND REPORTWRITER (VER. 5.0)

ISPN 74700-060

A report writer for the Easy business systems that can custom design reports and also perform file management functions.

ACCPAC PLUS EASYFILER AND REPORTWRITER can access over 250 fields per record of accounting data for the creation of customized reports. Benefits include rapid access of information by sorting within any category you choose, such as customers west of the Rockies or sales figures for a particular month. With its built-in report generator and text editor, you can command Easyfiler to produce address labels, form letters and reports, without buying a separate word processor or you can use Easyfiler with text written on Easywriter II. You can compute data during data entry and report generation with Easyfiler's built-in calculator. Transfer can be made from any IBM BASIC file without separate software. A training package is available from American Training Int'l. called Teach Yourself Easyfiler (ISPN 03156-078).. Integrates with other modules in the ACCPAC Plus series. Can be run in windows on your screen using ACCPAC Plus Windowing System Manager (ISPN 74700-090). Written in C and Access'C'. Available in single user and multi-user versions. Technical support available at (408)432-1764. Supports CGA, VGA, EGA and Expanded memory. NetWare Aware features: DDh set error mode and 43h set file attributes (shareable) NetWare-specific system calls.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2 and 5 1/4 | 128K | \$195.00 |

Requirements: Printer.

CLARION SOFTWARE

CLARION PERSONAL DEVELOPER

ISPN 06903-190

Allows you to create and run your own programs and update them as your needs change. Automatically generates program code.

CLARION PERSONAL DEVELOPER enables you to produce complete, full-featured programs without writing any code. An on-screen tutorial takes you step-by-step through program design. Includes a library of Clarion applications to be used for reference or real use. CLARION PERSONAL DEVELOPER gives you the power to relate data from multiple files. The Quick-Start module does away with complex procedures and instruction. You just fill out the blanks on a single screen to define the fields and keys you want to use. Quick-Start automatically generates a main menu, reports and

screen tables for each key field you've designated. The Application Summary screen gives you an overview of your application and how it will behave. Automatically provides you with a comprehensive outline for all the files and procedures inside your program. The Application Summary window updates itself as you develop or modify your program. Functions include scrolling tables, filter functions, key fields, hot keys, memo text fields, computed fields, scrolling look-ups, locate functions and pop-up data entry screens.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$169.00 |
| <i>Requirements: Double-sided disk drive or hard disk.</i> | | | |

BYTEL CORP.

GENIFER (VER. 2.0)

ISPN 09950-125

A dBASE language application generator that can create applications from start to finish.

Produces complete multi-file applications in the dBASE language: Menus, help screens, database update or inquiry screens, and reports. Use GENIFER'S layout editor and entry screens to define your needs. Watch as GENIFER 'writes' your application in solid well-structured dBASE code. Directly supports both dBASE III Plus and dBASE IV. Optional template sets generate programs optimized for Clipper, FoxBase+, dBaseXL or Quicksilver. Multi-user template sets are now available for these dBASE dialects. Advanced developers use Genifer's Template Language to match special application requirements. Beginning dBASE programmers build solid multi-file applications quickly and easily. With standardized codes, each person's code won't look different. You'll get consistent, high-quality code every time. It's easy to fine-tune the generated code to add your special touch. With GENIFER, the entire page is definable. And, with report, page, or control breaks, you can generate complex reports in minutes. The generated dBASE III program is well structured and includes your file names, meaningful variable names, and optional comments. GENIFER also produces the complete system documentation for your application. You can paint screens and reports using your own editor and define your own design parameters. Up to nine nested levels of files, even maintained on the same screen. Your user's input is validated against ranges, lists, or separate code files. The user can select dBASE III programs, sub-menus, help screens. Thanks to the filter option, your users only see the records they are interested in.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$395.00 |

870 SYSTEMS/PROGRAMMING DEVELOPMENT AIDS/TUTORIALS

ASHTON-TATE

DBASE IV DEVELOPER'S EDITION

ISPN 05500-152

Provides a complete application development environment for dBASE language programmers and application developers.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Hard disk.***MEDIUM**

5 1/4-inch disk

MEMORY

640K

PRICE

\$1295.00

WORDTECH SYSTEMS, INC.**DBXL (VER. 1.3)****ISPN 96947-300**

Provides an extended language interpreter for the dBASE language that executes dBASE commands and program files.

DBXL provides a user-interface and language extensions. Data files, index files, programs, reports and format files are fully compatible with dBASE. dBASE and dBASE can use the same databases and run the same dBASE programs, with dBASE syntax and a few new commands. Use the F1 key to call two levels of context-related help and a full on-line manual. Provides two levels of error messages which show the user a full screen of specific information about any error. Offers an enhanced MODIFY COMMAND text editor with features such as block read, write and move, on-line help and string searches. File size is limited only by available memory. Runs where dBASE cannot. All of the DOS computers in the office, whether IBM compatible or not, can use the same database manager. Create and display six kinds of graphs and charts using dBASE data. Graphs can be printed directly or exported to Desktop publishing products. Automatically takes advantage of available expanded memory for opening database and index files. Allows the user to customize the dBASE language and define functions. UDFs may be written in dBASE. Includes a 'Fix' option that highlights program errors. Programmers can create, size, move, overlay, remove and restore windows. Can be used with the Quicksilver compiler (ISPN 96947-100) which supports all of the language extensions offered by dBASE, including the windowing capability. dBASE can also be used to print mailing labels or reports. NetWare Aware features: Connection, File Server Environment, Locking and Printing NetWare-specific system calls; Btrieve and NetWare SQL server-based NetWare DBMS engines; NetBIOS Peer-to-Peer communication protocol; X.25 communication API.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Two disk drives.***MEDIUM**

5 1/4-inch disk

MEMORY

512K

PRICE

\$249.00

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: Two disk drives.

3 1/2-inch disk

512K

\$249.00

DELTA TECHNOLOGY INT'L.**DIRECT ACCESS (VER. 4.1)****ISPN 24666-300**

Contains a professional menu system that allows the user to access software programs with a single key stroke.

DIRECT ACCESS includes a menuing package for the hard disk, designed to simplify the use of the computer so that a minimal amount of computer expertise is necessary to use a hard disk system. Allows users to create two levels of menus: General areas and specific applications within each general area. The general menus list categories such as word processing, spreadsheets, communications and DOS database. Within each area(word processing for example) a second menu lists specific programs or commands, such as different word processors installed, spelling checkers and other word processing accessories. Specific programs can also be run from the main menu.

Users hit only one key to get into the communications package and make a call. The menus run custom batch commands. Users have the option to customize a message at the top of the main menu screen. Allows users to create an option that prompts the user for a password upon entering an application. The system can also be protected against user foul ups by providing limited access to the menu maintenance function as well as to potentially destructive DOS commands such as format and delete. Provides an audit trail which keeps track of which users are on the system, what applications they used and for how long. Reports can be produced based on date, user, project number or application. It even keeps track of attempts to enter with the wrong password. Installation is as easy as typing in the word 'install.' Toll free technical support is available.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: Hard disk.</i> | 3 1/2 and 5 1/4 | 256K | \$89.95 |

WALLSOFT SYSTEMS, INC.

DOCUMENTOR (VER. 1.16)

ISPN 96903-310

Produces complete technical documentation for dBASE applications.

Details the mechanics, logic, structures and elements of programs. It is menu-driven, allowing the user to pick and choose among various types of output. No matter how large and complicated the system is, it will provide instructions that will allow you to navigate through it.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 256K | \$295.00 |

BERKELEY SOFTWARE

GEOPROGRAMMER

ISPN 07440-355

An assembly language development program that allows the user to create full-scale GEOS applications. For use with GEOS 64 and 128.

GEOPROGRAMMER takes full advantage of icon, menu and window interfaces. Includes geoAssembler, geoLinker and geoDebugger.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$69.95 |

POWER UP SOFTWARE CORP.

HYPERTUTOR (VER. 2.0)

ISPN 61687-300

A tutorial of HyperCard's programming language, HyperTalk, with 41 lessons that cover all the points of scripting.

Allows users to script actual programs without leaving the card that holds the lesson. Each card in HyperTutor is split into three instruction windows, including the Frame window, the Syntax window, and the Scripting guide. The Frame window provides users with the basic information about a command. The Syntax window shows the actual

wording and spelling of a command. Clicking on an eye icon within the Syntax window reveals examples of the commands as they are found in a script. The Scripting guide window is hidden so beginners won't be confused by the more complex tips. To access this guide users must click on a book icon. Clicking on the tiny Mac's power button reveals three more buttons, which are edit, save and undo. To get at a script, users click edit and a window opens up showing the current lesson's script. Users can modify and paste parts of the script to different areas. The scripts written with the Test Mac behave as real scripts. Users must copy the script to other stacks or buttons for actual use. A hard disk is recommended.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$49.95 |

Requirements: HyperCard (ISPN 03900-300).

EMERALD CITY SOFTWARE

LASERTALK

ISPN 28902-400

Gives user interactive debugging of the PostScript interpreter in the LaserWriter.

Provides an integrated editor and debugger that allows user to open any PostScript file, edit it using LASERTALK's multi-window editor, and without leaving the editor, set breakpoints and trace or step through the program. The editor allows search, replace, cut, copy, paste, format, and undo. When errors are encountered, the debugger stops and the error message is displayed, so the user knows the exact location of the offending code. With the Preview window, the user can see the contents of the printer's screen buffer. Gives a four to one magnification as each 'bit' of printer image is represented as a single 'bit' on the Macintosh screen. Allows scrolling of the Preview window to locate any point on the page using rulers which can be displayed in user or device coordinates. Provides online documentation from Addison-Wesley's Postscript Language Reference Manual providing a full description of operators, proper calling sequences and examples of operator use. Comes with a Dictionary Browser to view and inspect the contents of any unprotected dictionary value. (All PostScript fonts, operators and procedures are stored in dictionaries) Compatible with Apple's Multifinder.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$249.00 |

Requirements: PostScript printer connected over AppleTalk.

MICROSOFT CORP.

LEARNING DOS

ISPN 53150-399

From the creators of MS-DOS comes guided practice sessions and simple explanations that turn DOS into a useful tool.

The online DOS Quick Reference features help you rapidly become a more effective PC user. The program will manage hard disk drives.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$49.95 |

POP COMPUTER PRODUCTS, INC.**MENU!****ISPN 61558-505**

Create a personal display of program names. Then select and run any program with the tap of a key.

With MENU!, each menu and submenu can be configured for any available screen color or just plain black and white. The configuration editor error checks each program and subdirectory entry to make sure it is valid. It even lists the available options for you to select from. Conserves RAM - uses as little as 7K. Provides quick views into DOS and disk status, prompts for changeable command tail data and locks out inadvertent access to DOS. Features 25th line screen prompting.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 7K | \$29.95 |
| <i>Requirements: Hard disk.</i> | | | |

MICROSOFT CORP.**MICROSOFT PROGRAMMER'S LIBRARY (VER. 1.1)****ISPN 53150-125**

A single compact disc that contains 72 Microsoft Press books and technical reference manuals and 20MB of sample programs.

Has the ability to perform any type of search, from casual browsing of an index or table of contents to complex Boolean (AND/OR) searches of the entire reference. User can search at different levels such as section, chapter, or body text level, and easily move between levels within a reference. Many important concepts are linked and cross-referenced by key words, so the books and references on disc are hypertextual, as opposed to linear. With a simple click of the mouse, the user can move from one cross-reference to the next and back again. User can quickly find important or frequently referred to, passages in a particular reference by setting an electronic bookmark. User can keep up to 80 bookmarks on file and store them alphabetically in a master list. The program can be run either standalone or TSR(Terminate-and-Stay-Resident). To run as a standalone, the user can call editor from the DOS shell. Information retrieved from a reference work is stored in a Clipboard, which can be saved as an ASCII file. The file can then be read by an editor or word processor. The TSR mode allows information to be copied and pasted directly to your editor at any time. Includes more than 3,000 cross-referenced and indexed sample programs. User can search for, and locate the appropriate program, and then copy and paste sections right into their editor via the Clipboard. When user copies or appends code to the Clipboard, only the pointers are stored on disk. The size of the Clipboard file is limited only by the amount of disk space available. A QuickRef menu contains only definitions-oriented references that are appropriate for quick reference. 'Zoom' in and out to quickly search through various levels of information. The Location command opens a window that tells you where you are within a reference. Runs in 25, 43, or 50 line mode. Includes on-line, integrated, context-sensitive help. Book, technical reference, and sample code categories are Microsoft Macro Assembler, BASIC, QuickBASIC, C, QuickC, FORTRAN, Pascal, MS-DOS, OS/2, Windows, Presentation Manager, LAN Manager, SQL Server, Microsoft Systems Journal and Intel Microprocessor Reference.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------------|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 135K | \$395.00 |
| <i>Requirements: CD-ROM drive.</i> | | | |

SYSTEM

IBM/MICROSOFT PC/MS-DOS 3.X

Requirements: CD-ROM drive.

IBM/MICROSOFT PC/MS-DOS 3.X

*Requirements: CD-rom drive.***MEDIUM**

3 1/2-inch disk

CD ROM

MEMORY

135K

135K

PRICE

\$395.00

\$395.00

MICROSOFT CORP.**MICROSOFT QUICKPASCAL (VER. 1.0)****ISPN 53150-502**

Includes a Hypertext-based reference system, menu-driven interface and object-oriented extensions.

MICROSOFT QUICKPASCAL offers an essential introduction to all aspects of operating QuickPascal, including editing, compiling and debugging. You get the confidence you need to move quickly through every stage of program development. Quick Advisor is a hypertext-based reference system that puts all help on-line. Contains extensive information and uses the hypertext technology to provide instant cross-referencing and error messages. It even provides sample code that you can paste into your own programs for leveraged learning. The drop-down menus are easy to learn and equally easy to use. Easy menus make it simple to get up to speed. At first, select from a reduced number of menu choices to concentrate on mastering the program's fundamentals. Once you're comfortable at that level, advance to full menus and gain access to the complete range of capabilities. The Quick interface also features multiple, overlapping windows for source code, the Quick Advisor and debugging, allowing you to view and work with up to nine files at one time. You can even access multiple views of the same source file for working with different sections of the same file simultaneously.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

3 1/2-inch disk

MEMORY

512K

512K

PRICE

\$99.00

\$99.00

MICROSOFT CORP.**MICROSOFT WINDOWS SOFTWARE DEVELOPMENT KIT****ISPN 53150-737**

Provides a programmers toolkit for Microsoft Windows application developers.

Combines with Microsoft Optimizing C compiler, Microsoft Pascal compiler or Microsoft Macro Assembler to provide the tools needed to develop Microsoft Windows applications. Create applications that use pull-down menus, dialog boxes, pushbuttons and more. Build applications that can share data with other applications and take advantage of a sophisticated windowing environment. Supports the 8087/80287 math coprocessor, dynamic data exchange, tagged image file formats. Includes dialog, icon and font editors. Contains a MAKE program maintenance utility and a symbolic debugger to help debug Windows applications.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

Requirements: Microsoft Macro Assembler, C, or Pascal compiler.

IBM/MICROSOFT PC/MS-DOS 2.0+

*Requirements: Microsoft Macro Assembler, C or Pascal compiler.***MEDIUM**

5 1/4-inch disk

3 1/2-inch disk

MEMORY

640K

640K

PRICE

\$500.00

\$500.00

PETER NORTON COMPUTING, INC.**NORTON EDITOR****ISPN 57287-500**

Features split screen editing and a condensed mode for outlining and wordprocessing.

Permits editing two files at once, each of unlimited size and with lines up to 65,535 characters. Features split-screen editing with text movement between files. Has features for structured programming languages, like auto-indent and 'find matching punctuation'. Has a condensed mode for outlining the program's procedures and word processing features such as paragraph reformatting and word wrap. Also has on-line help and full mouse support. Allows user to enter control characters and the IBM extended characters. Fully compatible with memory resident programs.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$75.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 128K | \$75.00 |

PETER NORTON COMPUTING, INC.**NORTON GUIDE-ASSEMBLY****ISPN 57287-510**

Contains a database of programming tips and information for the Assembly language that operates as a moveable window.

Accesses language syntax, data types, library functions, ASCII characters, error messages, keyboard scan codes, and more while running any other program. Reference information is organized into lists of summary 'short entries'. Behind each summary 'short entry' lies an expanded 'long entry' with full detailed information on the subject. The 'short entry' lists can be easily browsed through and searched for keywords. The 'long entries' are cross-referenced for quick jumps to related material. The Guide has two memory resident modes: conventional memory resident mode and pass-through memory resident mode. The Guide is loaded at start-up time in conventional memory, before the application program and is available at any time unless uninstalled. In the pass-through mode, the Guide and an application program are invoked on the same DOS command line. The application can be any program, typically it's a programmer's editor. While the application program is running, the Guide reference material is available. When the application ends, the Guide is automatically uninstalled, freeing up memory. The Reference database itself is disk resident. The Instant Access memory resident program occupies 65K and allows users to create their own Guide databases for any application. Some of the program's options include: Color, either on or off, full or half-Screen Display (half screen window pops up away from user's cursor so that the user's work context is shown), Auto Look-up, on or off (when the Guide is popped up, it automatically looks up a keyword read from the screen), Hot Key, allows changing of pop-up hot key (Shift F1 is the default hot key), and Uninstall, allows the user to uninstall the Guide. NORTON GUIDES are available for the following languages: Assembly, BASIC, C, Pascal and OS/2. Not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 64K | \$100.00 |

PETER NORTON COMPUTING, INC.**NORTON GUIDE-BASIC****ISBN 57287-515**

Provides a database of programming tips and information on BASIC that operates as a moveable help window.

Accessed language syntax, data types, library functions, ASCII characters, error messages, keyboard scan codes, and more while running any other program. Reference information is organized into list of summary 'short entries'. Behind each summary 'short entry' lies an expanded 'long entry' with full detailed information on the subject. The 'short entry' lists can be easily browsed through and searched for keywords. The 'long entries' are cross-referenced for quick jumps to related material. The Guide has two memory resident modes: conventional memory resident mode and pass-through memory resident mode. The Guide is loaded at start-up time in conventional memory, before the application program and is available at any time unless uninstalled. In the pass-through mode, the Guide and an application program are invoked on the same DOS command line. The application can be any program, typically it's a programmer's editor. While the application program is running, the Guide reference material is available. When the application ends, the Guide is automatically uninstalled, freeing up memory. The Reference database itself is disk resident. The Instant Access memory resident program occupies 65K and allows users to create their own Guide databases for any application. Some of the program's options include: Color, either on or off, Full or Half-Screen Display (half screen window pops up away from user's cursor so that the user's work context is shown), Auto Look-up, on or off (when the Guide is popped up, it automatically looks up a keyword read from the screen), Hot Key, allows changing of pop-up hot key (Shift F1 is the default hot key), and Uninstall, allows the user to uninstall the Guide. NORTON GUIDES are available for the following languages: Assembly, BASIC, C, Pascal and OS/2. Not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 64K | \$100.00 |

PETER NORTON COMPUTING, INC.**NORTON GUIDE-C****ISBN 57287-520**

Provides a database of programming tips and information on the C language that operates as a moveable help window.

Accesses language syntax, data types, library functions, ASCII characters, error messages, keyboard scan codes, and more while running any other program. Reference information is organized into list of summary 'short entries'. Behind each summary 'short entry' lies an expanded 'long entry' with full detailed information on the subject. The 'short entry' lists can be easily browsed through and searched for keywords. The 'long entries' are cross-referenced for quick jumps to related material. The Guide has two memory resident modes: conventional memory resident mode and pass-through memory resident mode. The Guide is loaded at start-up time in conventional memory, before the application program and is available at any time unless uninstalled. In the pass-through mode, the Guide and an application program are invoked on the same DOS command line. The application can be any program, typically it's a programmer's editor. While the application program is running, the Guide reference material is available. When the application ends, the Guide is automatically uninstalled, freeing up memory. The Reference database itself is disk resident. The Instant Access memory resident program occupies 65K and allows users to create their own Guide databases

for any application. Some of the program's options include: Color, either on or off, Full or Half-Screen Display (half screen window pops up away from user's cursor so that the user's work context is shown), Auto Look-up, on or off (when the Guide is popped up, it automatically looks up a keyword read from the screen), Hot Key, allows changing of pop-up hot key (Shift F1 is the default hot key), and Uninstall, allows the user to uninstall the Guide. NORTON GUIDES are available for the following languages: Assembly, BASIC, C, Pascal and OS/2. Not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 64K | \$100.00 |

PETER NORTON COMPUTING, INC.

NORTON GUIDE-OS/2

ISPN 57287-525

Provides a database of programming tips and information on the OS/2 system that operates as a moveable help window.

Accesses language syntax, data types, library functions, ASCII characters, error messages, keyboard scan codes, and more while running any other program. Reference information is organized into list of summary 'short entries'. Behind each summary 'short entry' lies an expanded 'long entry' with full detailed information on the subject. The 'short entry' lists can be easily browsed through and searched for keywords. The 'long entries' are cross-referenced for quick jumps to related material. The Guide has two memory resident modes: conventional memory resident mode and pass-through memory resident mode. The Guide is loaded at start-up time in conventional memory, before the application program and is available at any time unless uninstalled. In the pass-through mode, the Guide and an application program are invoked on the same DOS command line. The application can be any program, typically it's a programmer's editor. While the application program is running, the Guide reference material is available. When the application ends, the Guide is automatically uninstalled, freeing up memory. The Reference database itself is disk resident. The Instant Access memory resident program occupies 65K and allows users to create their own Guide databases for any application. Some of the program's options include: Color, either on or off, Full or Half-Screen Display (half screen window pops up away from user's cursor so that the user's work context is shown), Auto Look-up, on or off (when the Guide is popped up, it automatically looks up a keyword read from the screen), Hot Key, allows changing of pop-up hot key (Shift F1 is the default hot key), and Uninstall, allows the user to uninstall the Guide. NORTON GUIDES are available for the following languages: Assembly, BASIC, C, Pascal and OS/2. Not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 64K | \$150.00 |

PHOENIX COMPUTER PRODUCTS

PLINK 86 PLUS (VER. 2.24)

ISPN 60943-200

A linkage editor with overlay capabilities and includes a library manager.

This linkage editor can handle the output of any Intel or Microsoft formatted compiler or assembler. A virtual memory scheme insures plenty of capacity for symbol and common block names. PLINK supports an unlimited file size, number of modules and depth of modules. Overlays can be used with no modifications to the application program and may be combined into one or more disk files. Also merges object modules, caches

overlays in extended or expanded memory and automatically reloads overlays upon function return. Source code is provided for the portion of the overlay loader that interacts with the operator. Included with PLINK is PLIB object manager.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$495.00 |

POP COMPUTER PRODUCTS, INC.

POPBASICS: MENU!

ISPN 61558-620

A simple program that runs other programs with the touch of a key.

POPBASICS: MENU! enables you to organize and run your programs with one keystroke. On-screen help is available to explain every operation. Just follow simple instructions to create your own display of program titles. You will be up and running in about ten minutes. You can list your favorite programs on the main menu and set up submenus for other programs and DOS commands. Whenever you start your computer, POPBASICS: MENU! will appear. Context-sensitive on-screen help is always available.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$14.95 |
| <i>Requirements: Hard disk.</i> | | | |

ROSESOF

PROKEY PLUS (VER. 5.0)

ISPN 67075-101

Stores keystrokes and repeated commands in macros. Also sets up turn-key systems for inexperienced users.

PROKEY PLUS includes user-created menus and display windows with multi-level user-created help messages. Allows the user to cut and paste to move screen information from one place to another, including from one program to another. Includes an install program to change program defaults and adjust colors. Copies and renames macros. Automatically inserts a date and time into your work. Full on-line capabilities, including macro editing, reading and saving macro files, changing command keys and option defaults, as well as an on-line listing of all macros currently in memory, showing either the keystrokes or a description of the macro. Users can create an unlimited number of macros, since any combination of keystrokes from one to 16 characters in length can be a macro name.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 58K | \$99.95 |

SMETHERSBARNES

PROTOTYPER (VER. 2.1)

ISPN 71463-600

Allows users to create a Macintosh program in C or Pascal by designing the interface in a MacDraw style environment.

Generates custom source code to create a stand-alone application shell. A non-programmer can design a program with a complex Macintosh interface, 'run' it with

Prototyper's built in simulator, generate C or Pascal code for any of the leading compilers, and create a double-clickable application without any knowledge of Macintosh programming. There are no proprietary libraries to learn. Generates clean, well commented, standard Macintosh source code for virtually any interface you can design. A user can create a Mac program in C or Pascal with menus, windows, and all standard Macintosh controls, in as little as ten minutes, without taking their hand from the mouse or opening a single volume of Inside Macintosh.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$249.00 |
| <i>Requirements: 800K disk drive, C or Pascal compiler.</i> | | | |

CE SOFTWARE

QUICKKEYS (VER. 1.2)

ISPN 11725-400

A keyboard enhancer which allows the user to define an action on any key on a Macintosh keyboard.

Allows the user to replace mouse movements and clicks with a single keystroke. Performs both simple and complex operations, such as opening programs, and choosing typefaces, timesteps, rulers and tabs. Users can assign a QuickKey to type text, date, and time stamp. A hard disk is recommended. Requires System 4.1 and Finder 5.5 or higher. Supports keyboards which include Macintosh 512E, Plus, Normal ADB, Extended, Tangent Technologies PC MacKey, and DataDesk 101.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.95 |
| <i>Requirements: 800K double-sided disk drives, ImageWriter, ImageWriter II or LaserWriter printer.</i> | | | |

MICRORIM, INC.

R:BASE PROGRAM INTERFACE

ISPN 53075-160

Allows a programmer to make calls from his routine into R:Base using R:Base commands and pulling up R:Base data.

R:BASE PROGRAM INTERFACE is a library of relocatable routines that provide access to R:Base files for applications written in Microsoft C, Pascal, and FORTRAN. Permits your high-level language application to load, add, delete, modify and retrieve data rows. Conditional operations and sorting can then be performed on the retrieved data.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$595.00 |
| <i>Requirements: Two disk drives or one disk drive and a hard disk.</i> | | | |

MICRORIM, INC.

R:BASE RUNTIME

ISPN 53075-300

An 'execute only' version of R:Base for DOS. It allows you to distribute applications using all of the power of R:Base for DOS.

R:BASE RUNTIME allows you to use all of R:Base for DOS relational and programming commands. RUNTIME applications can do everything that R:Base 5000 can do, except end-users cannot create or modify database file structure or create new applications. RUNTIME eliminates the need to buy a complete R:Base 5000 everytime you develop and distribute an R:Base for DOS application. This can save money in corporate environments, and it can help your business grow by making you more pride-competitive when selling R:Base for DOS applications. Because RUNTIME is smaller than the full R:Base for DOS program, RUNTIME conserves computer memory. In many cases, this permits a portion of a computer's RAM to be set up and used as an electronic disk. This can significantly speed up the execution of RUNTIME applications. RUNTIME applications can be made as simple to execute as you desire. End-users can be guided through data entry, editing, and information retrieval by simple menu choices and as many on-screen prompts and specialized help menus as you want to include. End-users cannot modify or destroy the database structure you have designed. Your valuable work cannot be accidentally destroyed. In addition, access to data can be controlled by various levels of password protection. RUNTIME comes with full documentation. Comes in packages of five.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$250.00 |
| <i>Requirements: R:BASE for DOS (ISPN 53075-255).</i> | | | |

RYAN MCFARLAND

RM/SCREENS

ISPN 67300-400

Provides a screen generator for creating pop-up windows, data entry screens and menus.

Allows user to define fields, specify validations and create help messages. Draw single lines, double lines, and lines using user-specified characters. Includes block operations to fill, add and delete blocks. Draw boxes with single and double lines or user-specified characters. Specifies validation by list of acceptable values, list of unacceptable values, range checking inclusive or exclusive, mask validation and automatic access to user-coded subroutines. Re-edit and reuse screens as the models for new screens. Produces 100% R/M COBOL-85 screen logic and the prototyping option lets user create a screen without producing source code. Provides sophisticated validation, data masking, real-time help and error-handling for data entry.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 374K | \$395.00 |
| <i>Requirements: Hard disk, CGA.</i> | | | |

SILICON BEACH SOFTWARE

SUPERCARD (VER. 1.0)

ISPN 70237-600

A HyperCard compatible personal software toolkit to create customized applications that have the feel of commercial software.

SUPERCARD creates real Macintosh applications with custom menus and dialog boxes, cards of any size, multiple window types and resizable windows. Multiple windows and stacks can be open at one time. Resources, such as sounds, XCMD's (external commands) and XCFN's (external functions), icons, cursors and color look-up tables (cluts) can be directly imported and exported. On-line reference to the scripting

language is provided. More than one script can be open at once. The SuperTalk programming language includes additional commands and extensions to the widely-used industry standard, HyperTalk. SUPERCARD is compatible with HyperCard (ISPN 03900-300), including automatic translation of stacks, HyperTalk scripts, XCMD's and XFCN's. Provides full control of color palettes for each card for special effects and preserving colors in imported graphics. Imports and supports TIFF, PICT and MacPaint graphics formats. Also imports and exports PICS format animations. Every graphic in Supercard, Paint as well as Draw, is an object that can have a script, so anything can be a button. With AutoTrace, users can convert Paint images to Draw objects or trace multiple objects for complex button shapes in color or black and white. Edit stacks or applications with the SuperEdit program that is included with SUPERCARD. SuperEdit gives an 'under-the-hood' view of applications, including all the cards, windows, menus, resources (sounds, cursors, icons, color lookup tables, XCMD's, XFCN's) and scripts. You can reorder cards, swap backgrounds between cards or work with multiple scripts open at once. Standalone applications can be distributed with no license fee. Site licensing is available from Silicon Beach upon request.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$199.00 |
| <i>Requirements: 2MB of RAM for color.</i> | | | |

BORLAND INT'L.

SUPERKEY

ISPN 08225-092

Allows you to customize and automate your software, streamline your typing activity and protect your confidential files.

With SUPERKEY, you can encrypt confidential files, specify a password to lock your keyboard when you are away from your desk, or turn off your screen to protect sensitive data from unwelcome eyes. Once SUPERKEY is loaded into memory, use these security features from inside of other programs. Allows user to record any lengthy keystroke sequence and instantly replay it any time with a single keytouch. When changes need to be made, allows user to edit these recorded keyboard macros with its full-screen editor. SUPERKEY's command stack always remembers the most recent DOS commands user typed. Any time they're needed, a single key recalls them saving additional keystrokes. Contains a screen burn-in protection which automatically blanks out the screen after a convenient interval of screen/keyboard inactivity. The display returns unchanged at the touch of any key. Also contains cut and paste which allows the user to cut screen data and paste it into their application program. Can be integrated with SIDEKICK. Is always resident in memory and active even while running another program.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 128K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 128K | \$99.95 |

TML SYSTEMS, INC.

TML SOURCE CODE LIBRARY II FOR MACINTOSH

ISPN 82182-550

Contains a large collection of advanced programming examples written in TML Pascal II.

With TML SOURCE CODE LIBRARY II FOR MACINTOSH, virtually every type of Macintosh code is demonstrated with on-disk example programs. Examples

demonstrate techniques for programming palette windows, tear-off menus, sound, serial drivers, custom menus, window, control and list defProcs. Also included are HyperCard XCMD's and XFCN's, Color QuickDraw and MultiFinder. Additionally, each example program is completely documented to define exact source code intentions. Over one megabyte of example source code is included to demonstrate TML Pascal II and the Macintosh's powers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$69.95 |
| <i>Requirements: TML Pascal II (ISPN 82182-500).</i> | | | |

BORLAND INT'L.

TURBO BASIC DATABASE TOOLBOX

ISPN 08225-147

Allows easier creation of database programs with B Tree 'trainer', Turbo Access and Turbo Sort.

Contains a complete and easy-to-use database building kit. Turbo Basic Sort uses the Quicksort method to sort data on multiple keys or by single items. Turbo Basic Access locates, inserts, or deletes records utilizing B+ trees, the fastest method for finding and retrieving database information. Includes source code for a sample database.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$99.95 |

BORLAND INT'L.

TURBO BASIC EDITOR TOOLBOX

ISPN 08225-146

Enables user to create a text editor or word processor. Includes source code.

A collection of procedures and functions that include the ability to view and edit up to eight documents at the same time, to print in the 'background', and customize the keyboard. Comes with complete source code, a comprehensive manual and two sample editors. Use as is or modify.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$99.95 |

BORLAND INT'L.

TURBO PROLOG TOOLBOX

ISPN 08225-175

Allows Turbo Prolog programmers to build powerful commercial applications like expert systems, spreadsheets and databases.

TURBO PROLOG TOOLBOX offers user-interface design tools to build a variety of menus. Screens larger than the actual PC screen can be designed. Predicates to generate a variety of graphs and generates 2-D and 3-D bar charts and pie charts. Contains a complete serial communications sample program. Includes a parser generator, more than 80 tools and 40 sample programs.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$99.95 |

880 SYSTEMS/SECURITY/ENCRYPTION, COPY/RESTORE

MAINSTAY**ANTITOXIN (VER. 1.1)**

ISPN 46041-050

Provides both decontamination and protection from known viral strains.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$99.95 |

FOUNDATIONWARE**CERTUS**

ISPN 31232-095

Prevents viruses, stops bombs, catches bugs, reduces errors, controls software usage and recovers data from hard disk crashes.

CERTUS controls access to your system, software and data. Checks and audits all programs attempting to execute into memory for any alterations and authorization. Prevents potentially dangerous direct disk writes and accidental and malicious attempts to format or partition hard disks. Automatically recovers from hard drive crashes even after formatting, partitioning and battery failure. CERTUS increases your system's security by password protecting access to the system and prevents the copying of data and software to floppy disks. Allows you to control program use, preventing the use of non-licensed or malicious software, and decrease your legal liabilities from the use of bootlegged software while helping to enforce a software standardization plan. Reduces the costs associated with PC downtime by reducing common user errors and providing rapid, automatic recovery from most hard disk crashes. Acts as an extension of the DOS operating system. With CERTUS in memory, the computer's operation is modified to provide fundamental PC systems management and security benefits. The cost in memory (less than 10K) and time intrusion (tenths of seconds during each program execution) is minimal. CERTUS installations can be tailored to suit the needs of end-users.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-------------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 384K | \$189.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | • 3 1/2-inch disk | 384K | \$189.00 |

CENTRAL POINT SOFTWARE, INC.**COPY II 64/128 (VER. 4.0)**

ISPN 11950-025

Makes archival backups of protected software, recreates all errors, and copies half-tracks. Includes disk formatting utilities.

COPY II 64/128 copies nearly all protected software for archival backup in two minutes. Automatically recreates all errors needed for backing up protected disks as it copies. Copies half tracks and works with one or two 1541 or 1571 drives. Additional features include fast format (12 seconds), delete files and fast loader. Allows you to copy files or an entire disk, do a directory of a disk, recover lost or accidentally deleted files, rename

files, format a disk, protect files for data security, verify disks using the 'check errors' feature, and view and change data on any sector of a disk using the 'sector editor'. Supports Commodore's 1581 drive within the utility portion of the program. Parameters include Aliens, Adventure Construction Set, Microleague Wrestling and Karateka.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |

CENTRAL POINT SOFTWARE, INC.

COPY II MAC (VER. 7.2)

ISPN 11950-500

For archival backups of most protected software without parameter changes. Includes a set of utilities and disk recovery features.

COPY II MAC has the ability to backup protected software, make files visible and invisible, format, verify, and copy files and disks, rename files and disks, repair damaged disks, protect and unprotect files, view and edit any block on a disk, undelete files and delete files or disks. Allows the transfer of many protected programs to a hard disk where they can be run without inserting the original diskette.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$39.95 |

CENTRAL POINT SOFTWARE, INC.

COPY II PC (VER. 5.0)

ISPN 11950-050

Backs up protected software without modifying data and will verify the disk it creates and can be used from a hard disk drive.

COPY II PC can run many programs from the hard disk without a floppy disk in drive A. Enables the user to excise the copy-protection from programs that have already been installed to a hard disk. Backs up Chuck Yeager's Advanced Flight Simulator, Dark Castle, Reader/Rabbit, Chessmaster 2000, Type!, Destroyer, Arctic Fox, Shanghai, Sargon III, Printshop, Toyshop, F-15 Strike Eagle, MathBlaster Plus, Balance of Power, Lotus 1-2-3, Symphony and dozens more. Provides generic handlers that unlock Superlok, Prolok, and Everlok protection schemes. Can tell which protection scheme is being used by many programs. Allows the user to backup 360K disks to 720K disks. Includes a drive speed verification utility and bulk erase.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 64K | \$39.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 64K | \$39.95 |

CENTRAL POINT SOFTWARE, INC.

COPY II PLUS (VER. 8.4)

ISPN 11950-100

An Apple disk utility system that includes bit copy options for archival diskette backup.

COPY II PLUS contains over twenty built-in utilities, including the ability to delete and undelete files, map disk usage, copy disks and files, view and print files, format and

verify disks and alphabetize the catalog. Also contains drive diagnostics for checking and adjusting drive speed. Enables the user to convert DOS 3.3 files to ProDOS files and vice versa, automatically. Makes full use of Apple 1MB RAM boards. Makes copies of protected and unprotected programs, even those with sophisticated protection schemes.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--------------------------------|----------------------|----------------------|---------------------|
| APPLE II, II +, IIC, IIE, IIGS | 3 1/2 and 5 1/4 | 64K | \$39.95 |

ASHTON-TATE

DBASE FILE RECOVERY

ISPN 05500-201

A file recovery program designed and developed specifically for dBASE users.

DBASE FILE RECOVERY can restore dBASE III, dBASE III Plus or dBASE IV data files as long as they exist somewhere on your disk. In fact, virtually every type of corrupted file can be restored. You can even recreate the structure of an index file and recover data from dBASE IV SQL tables. And dBASE FILE RECOVERY can operate independently of the disk directory. This means that if you have destroyed a file due to an improper floppy disk swap, you can still get it back. You will have no trouble using dBASE FILE RECOVERY, because you use the same intuitive dBASE keystrokes you already know.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|----------------------|----------------------|---------------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$99.95 |

SUPERMAC TECHNOLOGY

DISKFIT (VER. 1.5)

ISPN 77125-200

A hard disk back-up utility which fits data onto a 'smart set' of floppy disks.

Fast, error-free and easy to use. Incremental backup-scans hard disk for changed files, deletes outdated information and reclaims space for new information conserving storage media and resulting in faster backups. Finder-readable format allows single files and be accessed directly off storage media and restored to hard drive. Wide range of storage media compatible including standard and new Apple SuperDrive My Floppy, Kodak/DTC and Bernoulli cartridges and other hard drives.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|----------------------|----------------------|---------------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.95 |
| <i>Requirements: Single user. 800K disk drive, hard drive.</i> | | | |

FIFTH GENERATION SYSTEMS, INC.

FASTBACK PLUS (VER. 2.09)

ISPN 30787-100

Provides high speed back-up of files from a hard disk to diskettes, tape, cartridge or other hard drive.

FASTBACK PLUS backs up to any logical DOS device including tape, cartridge and external hard disks. Flexible file selection allows for inclusion or exclusion of individual files and directories using standard DOS 'wildcard' conventions. Files may also be

selected by date or archive status. A visual direction tree is available any time filename entry is requested. A simple 'point and push' method is used for file selection. Files may be restored to any directory. Context sensitive on-line help is provided. Simple pop-down menus have selectable user levels and new users can master the program while more experienced users have complete control over advanced options. Customized setups let the user save and recall program options including file selections, screen colors, backup type and more. The Keystroke Macros automate backup routines, even if the user makes several different backups in a session. Complex commands, editing of script files and programming are not needed. Estimates backup and restores time, amount of data, number of disks required and shows percentage of completion. Executes any DOS command or application from inside FASTBACK PLUS. Adaptive data compression can reduce the number of backup disks by more than one-half, while simultaneously doubling backup speed, and advanced error corrections system tolerates up to 13 percent damage on a backup without losing a single byte of data.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 320K | \$189.00 |

RUPP CORP.

FASTLOCK

ISPN 67271-203

A hard disk locking utility which protects against unauthorized access to stored data.

FASTLOCK allows computer users to lock their hard disk quickly and securely - average lockup time is less than 15 seconds. Unlike file-by-file data encryption, FASTLOCK does not encrypt system files, only the access table to those files, thereby denying unauthorized access to the user's entire hard disk drive. The authorized user must submit the proper, predetermined password to the system, at which time FASTLOCK automatically unscrambles the access table allowing unencumbered access to the hard disk. FASTLOCK cannot be defeated by booting from a floppy and it is virtually impossible, even for a computer expert, to circumvent in a reasonable period of time. The program also reports attempts at unauthorized access by sounding an alarm after the third such attempt. Makes multiple backup copies of all areas of the disk that are changed when effecting the lock and parks the read/write heads of the disk drive to prevent data loss that can result from head crashes.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 190K | \$69.95 |

KENT MARSH LTD., INC.

MACSAFE (VER. 1.08D)

ISPN 47462-500

Allows users to protect files by placing them in a 'safe' area of a disk with a password known only to the user.

MACSAFE is the advanced security standard for the Macintosh. Protect your valuable information from roving eyes and curious double-clicks. Literally allows you to create password-protected safes on your disks. These safes are folders with a safe icon on it that can hold as many files as a regular folder can. Complete with a MacPaint-like palette, Finder-like desktop and familiar icons to represent protected files. For further protection, encrypt files using the American National Standard for Data Encryption. Each safe also has a Secret Compartment for an extra level of protection that works like a

'drop box.' Can be used on a hard disk, floppy disks or over a network. Volume purchase agreements, volume commitments and site licenses are also available.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$149.95 |

SUPERMAC TECHNOLOGY

NETWORK DISKFIT (VER. 1.5)

ISP# 77125-500

Utility that backs up and restores AppleShare servers and Tops volumes with access privileges and folder hierarchies intact.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$395.00 |
| <i>Requirements: 800K hard drive. Network running AppleShare (ISP# 03900-100) or Tops (ISP# 119620-700).</i> | | | |

KENT MARSH LTD., INC.

NIGHTWATCH (VER. 1.03)

ISP# 47462-550

A password system that securely locks the hard disk and allows access to as many users as are authorized.

NIGHTWATCH's features include startup password security for all types of Macintosh hard disks, unlimited number of users and passwords, audit trail of the time and name entered when accessing the hard disk, password display options (bullets, blanks or characters), DES algorithm used to protect name and password combinations. Administrator function allows override if user password is forgotten or user disk is lost. Each NIGHTWATCH has a unique signature allowing only your copy to access your hard disk.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$149.95 |
| <i>Requirements: 800K disk drive.</i> | | | |

CENTRAL POINT SOFTWARE, INC.

PC TOOLS DELUXE FOR THE MACINTOSH

ISP# 11950-605

Contains data recovery, hard disk backup and disk management tools.

PC TOOLS DELUXE FOR THE MACINTOSH comes with seven utility tools. Undelete is used to undelete deleted programs, even from fragmented disks. Hard Disk Backup backs up user's files from a hard disk to floppies or tape and is compatible with MultiFinder. Disk Optimizer is used to unfragment files and improve hard disk performance. Smart Locate D.A. is a desk accessory used to find files. Searches can be done by file name or up to three key phrases. File Encryption and Compression is used to encrypt and shrink individual files and entire folders. Disk Recovery recovers data from magnetically damaged diskettes and hard drives. Track/Block Editor examines any disk and repairs bad blocks.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$79.95 |

SUPERMAC TECHNOLOGY**SENTINEL (VER. 2.0)**

ISPN 77125-700

Protects documents, leaving them to remain in original format so they can be backed up and copied without being unlocked.

Presents a choice of three encryption methods DES, SuperCrypt, or BlockCrypt. DES encrypts a 100K file in less than 90 seconds and SuperCrypt in just under five seconds. BlockCrypt works faster than DES but provides greater security than SuperCrypt. Documents encrypted remain in standard Macintosh file format. They can be backed up, copied, transferred over networks, or sent to remote sites by modem. Users can encrypt whole folders and make encrypted files invisible on the desktop. But unlike all the other files on desktop, they can only be unlocked and read by someone possessing the correct password. Creating Sets of files allows protection of multiple documents. Documents can be added or deleted from a set, then locked or unlocked with one password. The WorkSet feature remembers which files have been opened at any time during a work session, and give users a quick lock down capability.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$149.95 |

Requirements: 800K disk drive.

SYMANTEC**SYMANTEC ANTIVIRUS FOR MACINTOSH (SAM)**

ISPN 77413-530

A comprehensive virus protection, detection, and elimination program with four protection levels.

Consists of an Init configured through the Control Panel called SAM Intercept, and a standard application called SAM Virus Clinic. SAM Intercept is run-time protection that can prevent a virus from entering the system. If a known virus already exists on the user's system, running SAM Virus Clinic will detect the virus and give the option to delete the file or attempt to make the necessary repairs. Works quietly in the background, monitoring all activities. It will immediately notify the user of any illegal actions that could possibly be caused by a virus. Once notified, users have the option to allow the activity to take place once, prevent the activity from occurring, or learn the activity as something permissible. The learn mode is similar to a spelling checker in that SAM will remember actions that are told are acceptable. Can stop all known viruses such as Scores, nVir, Hpat, Init29, and ANTI. The product will be updated when needed as new virus strains are documented. Has the capacity to detect some unknown viruses because it looks for illegal actions in addition to the known viral strains. MultiFinder compatible and works in standard AppleTalk network environments.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$99.95 |

Requirements: 800K disk drive. Finder 6.0 or later.

HJC SOFTWARE, INC.

VIREX (VER. 2.1)

ISPN 92430-800

Detects the presence of computer viruses and repairs infected programs.
Combats all known Mac viruses.

VIREX incorporates a number of features including the Virex INIT, a program that continuously runs in the background monitoring the system to prevent a virus attack. Record/Scan, a diagnostic tool, can be used to detect new or previously unknown viruses. The Virex INIT inspects each disk when inserted and each file when opened for the presence of viruses. Record/Scan enables the user to create a baseline 'snapshot' of the system and to examine the system periodically for changes. Record/Scan saves information on the date of last modification, file size, code resources and checksum for each file on a disk. Changes in this information can indicate the presence of new or previously unknown viruses. Has the ability to diagnose and repair files infected by multiple viruses, the ability to work in the background under MultiFinder and the ability to save and load reports.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$99.95 |

890 SYSTEMS/SYSTEM ADMINISTRATION

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC PLUS LANPAK

ISPN 74700-085

Expands the user's accounting system to a multi-user environment.

ACCPAC PLUS LANPAK offers a way for users to share ACCPAC Plus applications and data across a Local Area Network. Allows the user to use existing ACCPAC Plus programs and accounting data on the network. There is no need to upgrade or replace modules, or convert data. Protects accounting information and assures program integrity with automatic record and file-locking. Keeps track of users accessing ACCPAC Plus on the network. The number of users can be expanded by installing additional LANPAKS. Written in C and Access 'C'. Supports CGA, VGA, EGA and Expanded memory. Technical support available at (408)432-1764.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2 and 5 1/4 | 512K | \$395.00 |

Requirements: ACCPAC Plus Windowing System Manager (ISPN 74700-090), hard disk, 132-column printer.

BLOC PUBLISHING CORP.

DISKETTE MANAGER 3

ISPN 07925-125

Automatically reads the directory information from each disk and prepares a catalog with the information and comments.

As diskettes are read for catalog entry, unique labels are printed listing file names, user provided comments and diskette statistics. Associated with the catalog is a database manager and report generator that provides a cross reference between files and diskettes along with wild card searches. Supports most printers. File names can be printed on one standard four-inch X 1 7/16-inch label. A catalog file containing diskette names, file names, file sizes, creation date/time and comments is updated as diskettes are labeled. One catalog can contain 4,000 file or comment entries regarding 200 diskettes. The user can create any number of catalog diskettes. The basic diskette manager can generate four different reports from the catalog. DISKETTE MANAGER will permit the user to generate a complete cross reference listing between files and diskettes, do selective searches and generate an ASCII file of the catalog for special processing. Searches can be made on file creation date/time, size, file type or similar names using all of the DOS wild card conventions.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 256K | \$59.95 |

HDC COMPUTER CORP.

HDC WINDOWS EXPRESS (VER. 2.11)

ISPN 34980-175

Provides an applications organizer and menu system for Microsoft Windows Operating environment.

HDC WINDOWS EXPRESS provides customizable menus and an alternative to MS-DOS. EXE interface to Windows. Provides the ability to organize applications and documents into folders or submenus, which are accessible by clicking a mouse or by a keystroke. Includes a custom icon editor to create color icons for graphics based interface. Passwords can be assigned for protection, and menu items can be flagged as context sensitive.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$79.95 |
| <i>Requirements: Microsoft Windows (ISPN 53150-735).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$79.95 |
| <i>Requirements: Microsoft Windows (ISPN 53150-735).</i> | | | |

ODESTA CORP.

HELIX MULTIUSER KIT

ISPN 57709-350

An add-on networking package that upgrades single user Double Helix II to support multiuser applications.

Requires no additional fileserver or fileserving software and maintains full referential integrity. A change made at one workstation is immediately reflected throughout the system in real time. Allows infinite password protection for any number of workstations and users. Contains one host node and three guest nodes for four work stations and a manual. (Additional nodes available for \$100 each.)

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$495.00 |
| <i>Requirements: One MB of RAM and hard disk for host, 512K RAM and one disk drive for guests.</i> | | | |

SOFTVIEW, INC.

MACINUSE (VER. 3.0)

ISPN 74106-750

A background utility that records system utilization of the Macintosh system it is installed upon.

MACINUSE automatically records certain information each time you run an application program, saving that information into a file for your later use. The stored information includes the name of each application program you have run, the date and time, the duration of use, and other data and comments at your option. MACINUSE operates in the background. Once it has been activated, it is invisible to the user of the system (unless you choose features requiring input from the user). It actually becomes part of the Macintosh system and requires no special operations on your part. Automatically records key information with no need for user input. Application name, date and time, duration of use, document name and network user name can all be recorded without user intervention. In addition, a custom data input screen can be created to prompt the user for other data that you may wish to gather. The 'minimum time to track' option allows you to set a limit on the smallest duration you want included in the data, thereby avoiding nuisance recording of very short sessions. The administrator can set up a list of specific applications to be either included or excluded from the tracking data. This prevents the data file from growing excessively fast with 'nuisance' recording of unwanted data. The Finder can also be excluded from tracking, if desired. To facilitate administration of multiple systems and networks, MACINUSE allows the saving of data automatically to the system folder of the start-up volume, eliminating the need to specify a precise location at installation time. Can track many applications running simultaneously under MultiFinder. Each second of time is automatically attributed to the active application, regardless of what other applications are running concurrently. 'Template' documents for a number of popular word processors and spreadsheets are included with MACINUSE to facilitate the viewing, printing and analysis of the data that has been gathered. These templates can be customized to suit your unique needs. Convenience functions have been added for the administrator, eliminating the need to perform certain clerical and housekeeping tasks using specialized utilities such as ResEdit.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$99.00

FARALLON COMPUTING, INC.

TRAFFICWATCH (VER. 1.08)

ISPN 91809-625

A comprehensive network analysis utility designed to aid network managers in optimizing network loads.

TRAFFICWATCH monitors who is talking to whom and how much. Network error rates and packet traffic are displayed in real-time or saved in time-stamped Excel-readable data files. Collects the type of data that managers of complex networks need to continually optimize a growing network. TRAFFICWATCH can monitor network loads and track peak hours. All information can be used to find the capacity of shared devices such as printers or servers and can be used to decide where to install network bridges. You can view traffic flow graphically in real-time bar charts or spreadsheet tables. Reports network errors. TrafficChart, an Excel macro included in TRAFFICWATCH, transforms the data into pie charts or graphs. The package includes a tour disk, user's guide and registration card.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$195.00 |
| <i>Requirements: Microsoft Excel (Ver. 1.5 or higher) (ISPN 53150-280), PhoneNET or LocalTalk-compatible network.</i> | | | |

WORDPERFECT CORP.**WORDPERFECT OFFICE (VER. 2.0/2.1)****ISPN 68012-100**

Enhances network organization with a WordPerfect application shell, electronic mail, program/macro editor, file manager and more.

WORDPERFECT OFFICE also provides calendaring, scheduling, calculator and notebook to enhance network organization and automate the office environment. Takes full advantage of the network resources in user management, printing and multi-user file access. The 'shell' program automates the DOS environment to allow multiple applications, WordPerfect products or third party programs like Lotus 1-2-3, dBASE III and more to be organized and share information (data) between one another. OFFICE complies with the LIM expanded memory specification and offers virtual memory (swap-to-disk) services. Mail, scheduler and calendar features provide advanced communications and correlation services for the department and office network. Wordperfect's Office Mail (VER. 2.1) supports multiple servers (local and remote) in a user-friendly interface. Calendar and Scheduler provide appointment and resource scheduling, personal and office organization. Desktop organization features include a notebook with a simple, flat-file database, calculator, program/macro editor which is WordPerfect compatible and a DOS file manager. DEC VAX/VMS uses WordPerfect (VER. 4.7-5.0). Supports EGA, CGA, VGA and more. Available in single and multi-user versions.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$495.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2 and 5 1/4 | 512K | \$495.00 |

892 SYSTEMS/SYSTEM UTILITIES

BOURBAKI, INC.**1DIR+ (WONDERPLUS)****ISPN 08325-001**

Directory command system. Simplify the use of DOS, for any and all users, regardless of their level of expertise.

A shell for DOS that provides open ended integration capability, allows you to customize your system and applications. Consists of and provides three distinct functional elements: File management; batch builder and menuing capability. Interactive command system eliminates the need to type filenames and commands on the command line. Copying, erasing, renaming and typing of files is done by positioning. Copy, erase, or type groups of files with a single command. Has the ability to use batch files to process a group of commands. Provides a 'capture mode' that will build an actual ASCII text batch file, while you process the commands. Lets you run programs, copy files and

erase files. Menuing capability allows you to create an unlimited system of custom menus. Create a customized shell in less than an hour. A flexible framework allows both horizontal and vertical movement between menus. Print out listings of your directories in sorted order, based on the sort mode. Features: Menu password protection; multiple file operations with reflag option; destination path capture; expanded color support; one line batch commands; screen saver; current directory status line; and expanded documentation with appendix. Provides full mouse support.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$95.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$95.00 |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC BPI ACCOUNTING LANPAK (VER. 2.1)

ISPN 74700-705

Installs the ACCPAC BPI Accounting Series on a local area network.

ACCPAC BPI LANPAK provides for accounting system growth and allows multiple users (one to eight) to share accounting resources, programs and data, as well as printers and disk storage. Allows users to access multiple company records and edit or view account information. Offers quick and easy installation. Runs on Novell, 3COM and IBM networks. Written in C and Cobol. Has multi-user capabilities. For technical support call(408)432-1764.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$395.00 |

COMPUTER ASSOCIATES/FINANCIAL & MICRO PRODUCTS

ACCPAC PLUS WINDOWING SYSTEM MANAGER (VER. 5.0)

ISPN 74700-090

A multi-function tool that fully integrates Plus series programs with a wide range of other programs.

ACCPAC PLUS WINDOWING SYSTEM MANAGER provides macro capabilities to automate accounting functions, support for EMS and virtual memory and enables user to look up their accounting data on almost any database field. Allows user to run programs under one or more windows, use most DOS functions within a window including copy, erase, back-up and restore. Also lets you print to the screen, printer, DOS file or all three simultaneously, open numerous windows which are full screen, overlapping or side by side for reference between programs and view a directory listing all programs and files available. This system may be run on Local Area Networks with the addition of the ACCPAC Plus Lanpak (ISPN 74700-085) and any ACCPAC Plus accounting program. Written in C and Access 'C'. Supports CGA, VGA, EGA and Expanded memory. Available in single user and multi-user versions. Technical support available at (408)432-1764.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.1+ | 3 1/2 and 5 1/4 | 640K | \$195.00 |

Requirements: Hard disk, 132-column printer.

WHITE CRANE SYSTEMS, INC.**AUTOIMPORT (VER. 1.0)****ISPN 86306-100**

An intelligent data translation utility that imports files from PC and mainframe files into PC spreadsheets and databases.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 512K | \$169.95 |

TRAVELING SOFTWARE, INC.**BATTERY WATCH (VER. 1.0G)****ISPN 82540-100**

Provides battery monitoring and maintenance for laptop computers.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 20K | \$39.95 |

INTELLISOFT INT'L.**BOOKMARK (VER. 1.2)****ISPN 39038-100**

Prevents the accidental loss of work in progress by saving data to a hard disk in the event of loss of power, or a system crash.

BOOKMAN can be used with wordprocessors, spreadsheets, databases and desktop publishing. Allows for resumption of previous work with a single keystroke after system power is returned. The memory resident utility automatically takes a snapshot of system and video RAM, then save it to a reserved and hidden area of the hard disk subsystem. Previous work can be resumed within two to ten seconds after system boot. Resumption speed is dependent upon the computer's processor and hard disk speeds. BOOKMARK occupies 10k of RAM. The hidden BOOKMARK backup files occupy the same amount of space on the hard disk as system RAM plus video RAM. Expanded RAM over 640k is supported by Bookmark Plus. Supports Serial Port Local Area Networks only.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: 10MB hard disk.</i> | 5 1/4-inch disk | 256K | \$99.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: 10MB hard disk.</i> | 3 1/2-inch disk | 256K | \$99.95 |

INTELLISOFT INT'L.**BOOKMARK PLUS****ISPN 39038-110**

Prevents the accidental loss of work in progress by saving data to a hard disk. Supports extended and expanded RAM over 640K.

BOOKMAN PLUS backs up RAM automatically and periodically to a hard disk. When rebooting after a disaster (such as a power failure or system crash), BOOKMARK PLUS will ask the user if he/she wants to resume. Answer 'yes' and it will restore the work from the last placement. Allows the user to create two different RAM Backup files that can be

swapped back and forth with a hot key. The user can be working with Ventura Publisher, press the Swap Key, and work with a Lotus 1-2-3 spreadsheet or even several open DESQview or Microsoft Windows. All of the programs will be fully functional. Also, if it takes a long time for a large program or spreadsheet to load into the computer, reinstate that same file into RAM with the Restore Key, and it will take less than fifteen seconds to load. (That includes the program itself and any RAM-resident programs). BOOKMARK PLUS occupies an equivalent space on hard disk as in system RAM plus video RAM. Supports the Lotus-Intel-Microsoft EMS 4.0 Standard. Not copy protected.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ <i>Requirements: CGA, EGA, MGA, VGA, 20MB hard disk.</i> | 5 1/4-inch disk | 256K | \$179.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ <i>Requirements: CGA, EGA, MGA, VGA, 20MB hard disk.</i> | 3 1/2-inch disk | 256K | \$179.95 |

CORE INTERNATIONAL

COREFAST (VER. 2.0)

ISPN 19784-150

A backup utility with data compression that allows files to be 'squeezed,' reducing the amount of storage required for backup.

COREFAST is designed for both the new and experienced user to do their backup operation quickly and easily. The easy menu mode provides for a quick, simple backup while the advanced menu mode allows access to all features. COREFAST allows backup and restore over virtually any criteria. Include or exclude files (including DOS wildcards) since the last backup. The catalog feature permits users to back up a single file, a group of files or entire directory. All features can be run from the DOS command line or batch file, allowing a pre-defined, user tailored backup with a single command. Allows for both file by file and image backups and restores. Features include password protection, automatic timed backup, disk management within the program including copy, delete, rename, view, create and delete directories (within user rights) and is available in 5.25 and 3.5-inch diskettes. You can backup 10MB in four minutes using file by file mode.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.00 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$99.00 |

DACEASY, INC.

DAC-EASY LIGHTNING (VER. 5.0)

ISPN 22137-230

A disk-caching program that improves the way software accesses the disk, with the ability to lock the contents of your cache.

DAC-EASY LIGHTNING remembers your habits so that frequently used data won't be pushed out of memory when other sectors are accessed. You can limit the number of sectors that Lightning reads. The most frequently used portions of the program are stored in memory (which is much faster than disk storage) so your software applications go faster, as does your work. Compatible with any software application such as databases, word processors and DacEasy Accounting. Recognizes VDISK in extended RAM for automatic co-existence.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+

*Requirements: Two disk drives.***MEDIUM**

5 1/4-inch disk

MEMORY

256K

PRICE

\$69.95

ASHTON-TATE**DBASE III PLUS LAN PACK****ISPN 05500-158**

A local-area networking expansion package. Contains a password system, data encryption/decryption and file access commands.

dBASE III PLUS LAN PACK expands the number of workstations equipped with dBASE III PLUS capabilities. Requires a PC already running dBASE III PLUS, at least 256K memory and a networking operating system. The program turns three additional PCs into fully equipped workstations. The data encryption/decryption feature ensures that the right information does not go to the wrong place.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

384K

PRICE

\$995.00

DELTA TECHNOLOGY INT'L.**DIRECT NET (VER. 1.0)****ISPN 24666-500**

A network-utility menu system for file management to be used in network environments.

DIRECT NET is a network management menu system for file management with a single keystroke. Organize software onto a user-defined menu. Programs are chosen from the menu with single keystroke-letting the user bypass complicated DOS commands, which saves training costs and time. Complete supervisory control allows the manager to assign uniform or customized menus throughout the network from any workstation and assign password security at any level, including Menu Maintenance and Exit to DOS. DIRECT NET features usage tracking with a report generator providing a complete audit trail. Other DIRECT NET features include a DOS utilities menu option, screen blanking to prevent burn-in, up to 400 menu choices, optional menu colors and a toll-free customer service hotline. It is not memory resident and is compatible with all NetWare versions. Toll-free technical support available. Price is per file server.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

3 1/2 and 5 1/4

MEMORY

256K

PRICE

\$245.00

ONTRACK COMPUTER SYSTEMS, INC.**DISK MANAGER (VER. 4.0)****ISPN 58380-180**

Allows the use of any ST412/ST506, RII and ESDI/SCSI disk drives with IBM PCs and expands hard disk.

DISK MANAGER is compatible with DOS systems and can be attached to any IBM or compatible microcomputer using most DOS operating systems which contain rigid disk support. It exceeds the 32MB barrier and will drive the partitions to as large as 512MB in capacity. Other features include verification ability to identify media flaws on disk drive, and will gain up to 50 percent in additional storage capacity from RLL-certified drive and

controller. Has up to 16 partitions per drive, is not copy protected, allows customized installation to meet specific requirements, up to four operating systems can exist on a single storage unit and provides selectable write-protect capability on each partition.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 48K | \$124.95 |

ONTRACK COMPUTER SYSTEMS, INC.

DISK MANAGER MAC

ISPN 58380-225

Installs most SCSI hard drives into the Mac SE, Mac II, or Mac Plus.

Initializes, formats and partitions the drive through automatic or custom installation. This program is also available bundled with hardware in a 'kit'. The kit includes a power cable, SCSI data cable, bracket, mounting hardware, DISK MANAGER MAC software, and software installation instructions. Contact the publisher for more information.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$99.00 |

ONTRACK COMPUTER SYSTEMS, INC.

DISK MANAGER-N (VER. 2.43)

ISPN 58380-200

Allows you to attach any non-standard disk drive to your personal computer which then functions as the file server on Novell systems.

DISK MANAGER-N permits the use of disk drives not supported by ROM BIOS, any ST412/ST506 EDSI and RLL disk drive to an IBM PC, AT, XT or compatible. The non-standard disk drive will then act as a file server for the entire Novell network. Offers automatic installation using a control file provided by DISK MANAGER-N with one simple command line. Provides non-standard drive support with increased storage capacity, quick installation and a low cost. Supports all versions of Novell 86 through 2.15 including both ELS levels I and II.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$249.95 |
| NOVELL NETWARE 286 2.0A+ | 5 1/4-inch disk | 256K | \$249.95 |

Requirements: DOS 2.0+.

SOFTLOGIC SOLUTIONS, INC.

DISK OPTIMIZER (VER. 4.05)

ISPN 72143-075

Includes a Disk Analyzer, Personal File Security, File Peeker and a data guardian for 100 percent file recovery up to 255 days.

Disk Analyzer: Displays a visual performance analysis, shown in percentages, for any disk or diskette to determine how much you can improve its performance by using the Disk Optimizer program. Analysis can be shown for individual files, directories, and entire disks. Assembly coding makes this run fast. Disk Distance-Compression (Optimizing). This function consolidates files and free-space into contiguous disk areas for super high-speed performance. Personal File Security: Password protect any file or

program. Now only you can use it. Great for 'shared' hard disks, networks or for use on public E-Mail services. You can secure single files or groups of files using the DOS global characters you already now. File Peeker: Now you can visually examine any file on your system. This program is useful for both the inquisitive and the serious professional. The easy-to-use-selection groups your choices by directory and allows you to select from several display formats.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$69.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 256K | \$69.95 |

PRIME SOLUTIONS, INC.

DISK TECHNICIAN ADVANCED AUTOMATED AI SYSTEM

ISPN 61996-050

Prevents data corruption, loss and DOS errors before they happen.

DISK TECHNICIAN ADVANCED AUTOMATED AI SYSTEM provides one-touch operation. Speeds up the system and all programs by correcting interleaving to the optimum-tested performance level, automatically, without the need to remove programs or data. Handles large capacity, and/or partitioned hard disks, and RLL controllers. This is a powerful artificial intelligence software system for hard disks that virtually eliminates all of the causes of data corruption, data loss and DOS error messages by predicting and correcting them before and after they happen. Learns the individual host system, even eliminating random and intermittent problems. Gives ample early warnings of imminent hardware failure before data is lost. Provides automatic, unattended operation. Includes SafePark, a RAM-resident, dynamic head-parking program. Works with two physical hard disks on an IBM PC/XT/AT, PS/2, derivatives and true software/hardware BIOS compatible IBM clones that conform to the IBM standard of low-level formatting and 512 bytes per sector. SafePark gives constant protection against power problems by moving the disk heads to a 'safe-zone' after 1-15 seconds of hard disk inactivity.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 512K | \$189.95 |

Requirements: Hard disk.

TIMeworks, INC.

DOS RX

ISPN 82000-101

Provides a set of organizational and memory-resident performance tools for data recovery and security and disk management.

This program helps the user in four major ways: 1) data recovery, 2) disk management, 3) data security, and 4) disk optimization.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$59.95 |

DELTA TECHNOLOGY INT'L.

EXTRA (VER. 1.2)

ISPN 24666-400

A memory manager that allows access to many memory resident programs while using the space of only one.

EXTRA allows user to create a menu and instantly access any memory-resident program. Has the ability to run up to 26 memory-resident programs while using the memory of one. This feature frees the computer's essential base memory for working on other applications. Features screen displays, simple setup and the capability to save programs to disk, extended memory or expanded memory. Features hot key operation. Includes documentation. Toll free technical support is available.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2 and 5 1/4 | 256K | \$99.00 |
| <i>Requirements: Hard disk.</i> | | | |

EPYX, INC.

FAST LOAD

ISPN 29575-118

Speeds up loaded time from minutes to a matter of seconds. Saves and copies disks five times faster than normal.

You can copy a single file, copy the whole file, send disk commands and even list directories without erasing programs stored in memory. It can even be use ith copy protected disks!

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------|-----------------|---------------|--------------|
| COMMODORE 64/128 | 5 1/4-inch disk | 64K | \$39.95 |

RUPP CORP.

FASTWIRE II (VER. 2.1)

ISPN 67271-200

File transfer system used to transfer information between all IBM-compatible desktop, laptop and PS/2 systems.

FASTWIRE II includes data transfer at up to 500,000 baud in parallel mode and up to 200,000 in serial mode. Three modes of operation including easy point and shoot split screen mode for beginners, form mode to write and record customized(macros) for routine transfers, and advanced command mode to give advanced users a command line interface to quickly execute commands and write batch files. Includes built in error checking to insure that no data loss occurs during transfer. Sorts directories by alphabet, extension, size and modification date and has two error detection methods, checksum for maximum speed and CRC for maximum integrity.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 200K | \$99.00 |
| <i>Requirements: Specify either serial or parallel port.</i> | | | |

BLOC PUBLISHING CORP.**FORMFILLER 2.0****ISBN 07925-275**

Allows the user to fill in any form using any personal computer or printer, without the use of a graphics adapter or color monitor.

Locates blanks on the form by printing a 'grid' directly on the form. From this grid, FORMFILLER automatically creates a 'master template' of the form. This master template sets up fields for each blank on the form, so users tab from one blank to the next. Provides pop-up menus and on-line help. Includes the flexibility to match any spacing of blanks. Allows each field to be individually adjusted, if necessary, so every 'X' will appear in the proper box, not below or beside it. Has the ability to calculate figures and fill them in, using precise printer control. Accepts information from several database and spreadsheet programs, including ASCII and DIF files, eliminating re-keyboarding of fill-in information. Contains a 'look-up' feature that locates frequently used names, addresses, dates and specifications. For example, give FORMFILLER a product number and it will automatically fill-in the part number, product description, retail and/or wholesale price and appropriate shipping information. Includes dozens of mathematical, trigonometrical, financial and conditional logic functions. This allows interactions and relationships between fields. Can be set to expect certain values in certain fields, including whether to expect text or numerical data. Checks and cross-checks the form for completeness and accuracy. As the user keyboards information, FORMFILLER detects omissions, expected values, math and text errors. Allows the user to set 'constants' within each form so repeated information will be pre-printed. The user can add printable or non-printable text captions within the template to provide instructions or notes on entry variables during fill-in. It is possible to specify the order in which fields are to be completed. The user can left or center justify text within fields, automatically date forms in over 100 ways, customize error messages, overprint shading in form blanks, and perform word-wraps and block marking for 'copy and move'. The user can type in notes, memos and descriptions on multiple rows during fill-in.

SYSTEM**MEDIUM****MEMORY****PRICE**

IBM/MICROSOFT PC/MS-DOS 2.1+

5 1/4-inch disk

512K

\$149.00

Requirements: Two floppy drives or one floppy drive and a hard disk.

IBM/MICROSOFT PC/MS-DOS 2.1+

3 1/2-inch disk

512K

\$149.00

*Requirements: Two floppy drives or one floppy drive and a hard disk.***PAUL MACE SOFTWARE****GRASP (VER. 3.1)****ISBN 59790-300**

A video programming language used to create, display and revise animation. Includes paint program and screen capture utility.

Features many commands including screen tiling, custom RGB color mixing, buffer manipulation as well as support of all mouse pointing devices, many graphics tablets, touch screens, and video overlay cards. Can support any video mode that allows direct access to the screen, including full support for all PS/2 VGA modes and the Hercules Incolor card. Contains a built-in paint program that works interactively from within the editor allowing full video creation, development and testing without returning to DOS. Tutorials and examples of each command are provided. Examples are also included for each command in the comprehensive new manual. The GRASP editor features on-line help screens as well as the ability to quit, save and run the current program, all with a single keystroke. If an error is encountered, the debugger returns to the editor with the

cursor on the line of question. Images can be captured from other applications with the powerful screen capture utility.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 512K | \$149.00 |
| <i>Requirements: Compatible graphics adapter.</i> | | | |

HDC COMPUTER CORP.

HDC WINDOWS MANAGER (VER. 1.0)

ISPN 34980-185

Brings the convenience of pop-up utilities to Microsoft Windows.

HDC WINDOWS MANAGER comes with 'MicroApps' - a set of seven desktop utilities and productivity tools that do everything from automatically saving your work to enhancing your Windows system. You can run MicroApp like any other Windows program by choosing it from the Windows Manager menu. After you are done, you can close it or shrink it to an icon so it stays active and available to you. The following MicroApps are included: Alarm Clock, Auto Save, Desktop, Font Viewer, Memory Viewer, System Enhancer and Work Sets. The Alarm Clock displays the date and time and reminds you of up to three appointments. Auto Save automatically saves the work you do with any Windows program at preset intervals to help avoid accidental loss of data. Desktop gives you three ways to customize your Windows desktop. 'Startup' lets you start Windows using a custom startup screen with your choice of special effects. 'Background' lets you customize the background pattern of your Windows screen. You can even use a graphic from a paint or drawing program. 'Screen Saver' prevents screen burn-in with your choice of graphic effects that take over your screen when your keyboard or mouse has not been used for a preset period of time. Font Viewer displays samples of all your available system and printer fonts so you can see exactly what each one looks like before you use it. Memory Viewer provides a graphic display of how your system's memory is being used. System Enhancer includes four commands that help enhance the operation of Windows. 'Run' lets you run any application from within any Windows program. You can even run several programs in one step. 'Arrange' organizes all of your open windows by neatly overlapping or tiling them. 'Close All Windows' quickly closes all open Windows applications. 'End Session' lets you exit Windows from any application. Work Sets provides two functions that add efficiency to your Windows work. You can create your own Work Sets of programs and tiles you work with together, then launch them all with a single command. You can save the size and location of each window.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$79.95 |
| <i>Requirements: EGA, Microsoft Windows/286 (Ver. 2.0 or higher) (ISPN 53150-735) or Microsoft Windows/386 (Ver. 2.0 or higher) (ISPN 53150-736).</i> | | | |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 640K | \$79.95 |
| <i>Requirements: EGA, Microsoft Windows/286 (Ver. 2.0 or higher) (ISPN 53150-735) or Microsoft Windows/386 (Ver. 2.0 or higher) (ISPN 53150-736).</i> | | | |

ENABLE SOFTWARE HIGGINS GROUP

HIGGINS MAIL (VER. 2.3)

ISPN 19053-150

Allows users to prepare, send and receive messages, attach documents and files to messages and track mail correspondence.

HIGGINS MAIL, the E-mail subsystem of Higgins for those not requiring the full functions of Higgins, can be installed along side other Higgins products. Offers point and pick menus for addressing messages. Supplies the computer address and routing information to deliver a message. Automatically distributes the user list to every server. Alerts users to incoming mail, even if the user is involved in another application. Allows user to decide when to read the mail. If the incoming message is urgent, the user is notified immediately. Users can create their own distribution lists or use a system-wide list. Users can create lists for special projects and workgroups. Users can specify people who receive a printed copy, people in other locations, people on other mail systems. Provides a text editor for preparing text messages. Includes a WYSIWYG (what you see is what you get) interface, uses no control keys and allows for importing of text files. Provides the ability to output to a printer or a disk file directly from the editor, and export text for importing by other editors. Generates date, time, user name and other text. Provides DOS functions for searching directories for the desired file and text files may be previewed. Tracks the complete history of group conversations. Each mail item comprises a complete package with the history of the conversation and up to 20 attached files. Provides the ability to connect networks from various vendors. The system administrator can add new users, change address, forward a user's mail to a temporary address and add or drop mail groups as needed. Integrates with other modules of Higgins LAN office software family. Provides the ability to run as a background task within Microsoft Windows (ISPN 53150-736) or Quarterdeck Office System's Desqview (ISPN 64292-100).

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

640K

PRICE

\$295.00

TRAVELING SOFTWARE, INC.**LAPLINK III (VER. 3.0)****ISPN 82540-401**

Allows users to transfer files between two IBM compatible computers via the serial or parallel ports.

LAPLINK III includes a six-headed cable that supports both serial and parallel transfer modes. Files can be transferred at speeds of over 3MB per minute, all error free. Allows printer and disk drive sharing, hard disk file management, batch file transfers and remote installation capability.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.0+

MEDIUM

5 1/4-inch disk

MEMORY

256K

PRICE

\$139.95

Requirements: IBM compatible parallel or serial port on each computer.

IBM/MICROSOFT PC/MS-DOS 2.0+

3 1/2-inch disk

256K

\$139.95

Requirements: IBM compatible parallel or serial port on each computer.

PAUL MACE SOFTWARE**MACE UTILITIES-GOLD EDITION****ISPN 59790-500**

A diskette utility program that features unformat, undelete, remedy unfragment, sort/squeeze directories, restore backup, and more.

MACE UTILITIES-GOLD EDITION features include: Recovery from an accidental format of a hard disk (80 to 90 percent complete if not installed prior to the format, perfect recovery if installed); restores erased or deleted files; displays a list of all deleted files; diagnoses and locks out bad sectors on a disk; physically reorganizes all files on the

disk; removes deleted entries from all directories and closes up the spaces; and allows the user to optionally sort directory entries by name, extension, date-time or length. MCache increases speed of cartridge and fixed disk operations using memory caching to eliminate repetitive disk access. The user may allocate up to 16MB of extended, 8MB of expanded or .5MB of standard memory for caching disk data. This program is not copy protected.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ <i>Requirements: Hard disk.</i> | 5 1/4-inch disk | 512K | \$149.00 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ <i>Requirements: Hard disk.</i> | 3 1/2-inch disk | 512K | \$149.00 |

GO TECHNOLOGY, INC.

MACTREE PLUS

ISPN 33131-500

Displays files in folders in a graphic 'tree' showing exactly where programs are stored on a hard disk.

For fast file reorganization, MACTREE PLUS enables the user to select and view files in either a vertical or horizontal tree display. Also, the user can find, copy, rename, erase and move or remove any file or folder. Therefore, the user can discover and eliminate duplicate files, display disk statistics and utilize the most recent versions of files and documents. Provides a 'MacTREEview' window which enables users to view documents and files without launching their applications. Features a 'pop-up info' window for quick displays of folder contents, a 'remembered windows' feature for locating all open windows from session to session and a 'preference' option allowing the user to control the way the tree is displayed when updating is performed and when warning messages are presented. A 'search and filter' feature enables the user to search by name, date, creator or file type, and hide from view all files meeting specific criteria. Features network support for AppleShare and TOPS networks. MACTREE PLUS is completely menu-driven. Enables users to perform a backup and at the same time operate in another application. The program permits users to copy the contents of a Macintosh hard disk to a set of floppy disks or any Apple hard drive, or the Apple 40 Megabyte DC 2000 and third party tape drives.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|--|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI <i>Requirements: Hard disk.</i> | 3 1/2-inch disk | 512K | \$69.95 |

WORDTECH SYSTEMS, INC.

NETWORKER PLUS (VER. 2.2)

ISPN 96947-110

A memory-resident utility for Local Area Networks which offers cross-application message sending and distributed processing.

NETWORKER PLUS enables record and file locking on LANs for those applications compiled with Quicksilver (ISPN 96947-601). Includes message exchange and distributed processing for generic DOS applications. As a memory resident program you can send or receive screen images without quitting the current application. Distributed processing allows users to send time consuming tasks to unused workstations. Compatible with LANs which support DOS 3.1 protocols. NetBIOS compatibility is required for communications, task sending and screen transmission. Other features

include communications, screen transmissions and distributed processing. NETWORKER PLUS utilities include dialog (a menu-driven master network program), flags, user identification and more. Supports expanded memory cards and Wordtech's Quicksilver. Available in single and multi-user versions.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 256K | \$259.00 |

PETER NORTON COMPUTING, INC.

NORTON UTILITIES (VER. 4.5) ADVANCED EDITION

ISBN 57287-310

Contains data recovery and disk management utilities with additions and enhancements to the Standard Edition.

Has all the features of the Main Norton Utilities Program such as a user interface that allows the use of key letters for menu selection, speed key searching for files and a 'zoom in' feature for finding free clusters when UnErasing files. UnErase lets the user search for and recover erased or deleted data. With Full Cluster Support data can be transferred from specified files, sectors, or clusters. With Full Range Support, ranges of clusters or sectors can be read, written, or modified. Guided Menu defaults speed recovery of lost files and make navigation within the program easier. Access to the Boot, FAT, and system areas of disks is also aided. The Systems Information program supplies many essential facts about the computer's power, features, and memory use. Comes with Disk Performance and System Performance indexes. It also shows EMS and extended memory, number of parallel and serial ports, type of processor and co-processor, video adapter and current video mode. List Directories provides a graphic tree display for all directories (or just a branch at a time). It can be used across all disk drives and comes with a command line option that allows a summary of files and file sizes on any directory. Text Search can search for specific text throughout an entire disk (including erased file space), and can do a cross directory search. WipeFile and WipeDisk erase files completely, so they cannot be read even by UnErase. All information is wiped, including directory entries. Can also erase across sub-directories. File Info attaches a descriptive name of up to 65 characters to any file. Norton Change Director displays the directory structure tree and allows users to make, remove, or change a directory instantly. Norton ASK makes batch files interactive. The Norton Integrator runs all of the Utilities from one unified control program and provides on-line help for each function. Further features of the Advanced Edition include Speed Disk to rearrange the hard disk, to optimize seek time, speed and performance. Format Recover unformats an accidentally reformatted hard disk. An all new maintenance mode, for badly damaged disks, bypasses DOS logical organization to work at cluster or sector level. In addition, three features- a File Allocation Table Editor, a Partition Table Editor for adding and removing partitions, and a Directory Editor which allows users to edit any field of a directory entry - combine to give precise control over the disk. Also includes the Norton Disk Companion, a booklet on understanding disks.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$150.00 |

PETER NORTON COMPUTING, INC.

NORTON UTILITIES (VER. 4.5) STANDARD EDITION

ISP#N 57287-300

A collection of data recovery and disk management utilities, featuring UnErase for recovery of erased or deleted files.

NORTON UTILITIES STANDARD EDITION has features such as a user interface that allows the use of key letters for menu selection, speed key searching for files, and includes a 'zoom in' feature for finding free clusters when UnErasing files. UnErase lets the user search for and recover erased or deleted data. With Full Cluster Support data can be transferred from specified files, sectors, or clusters. With Full Range Support, ranges of clusters or sectors can be read, written, or modified. Guided Menu defaults speed recovery of lost files and make navigation within the program easier. Access to the Boot, FAT and system areas of disks is also aided. The Systems Information program supplies many essential facts about the computer's power, features and memory use, and comes with Disk Performance and System Performance indexes. It also shows EMS and extended memory, number of parallel and serial ports, type of processor and co-processor, video adapter and current video mode. List Directories provides a graphic tree display for all directories (or just a branch at a time). It can be used across all disk drives and comes with a command line option that allows a summary of files and file sizes on any directory. Text Search can search for specific text throughout an entire disk (including erased file space), and can do a cross directory search. WipeFile and WipeDisk erase files so completely they cannot be read even by UnErase. All information is wiped, including directory entries. Can also erase across sub-directories. File Info attaches a descriptive name of up to 65 characters to any file. Norton Change Director displays the directory structure tree and allows users to make, remove, or change a directory instantly. Norton ASK makes batch files interactive. The Norton Integrator runs all of the Utilities from one unified control program and provides on-line help for each function.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 3 1/2-inch disk | 256K | \$100.00 |
| IBM/MICROSOFT PC/MS-DOS 1.0+ | 5 1/4-inch disk | 256K | \$100.00 |

CENTRAL POINT SOFTWARE, INC.

PC TOOLS DELUXE (VER. 5.5)

ISP#N 11950-600

Combines popular utility features and a DOS interface, then makes them memory resident.

PC TOOLS DELUXE is a set of DOS utilities which includes data recovery and file management capabilities, a desktop manager and fast hard disk backup in a single package constructed around an intuitive, windowed interface that is consistent across all functions. The DOS utilities include an enhanced file locate, text string search and dBASE, Lotus 1-2-3, ASCII and HEX viewers that make finding and viewing files simple. You can find a file or group of files fast, regardless of which subdirectory they're in. It's easy to find and optionally select all the files on your hard disk that match your specifications. For example, you can ask for all your Lotus 1-2-3 files that contain the words 'FY89 Budget'. Then you can view, launch, copy, move, rename, delete or use any of the other commands in PCSHELL on these files. PCSHELL, DESKTOP and PCBACKUP support all standard network compatible DOS functions. The PCSHELL status line displays the number and the size of selected files as well as the total number of files and free space on the disk at all times. PCBACKUP has an automatic installation

procedure to make configuration easy, and improved menus that are really intuitive. Reports can be generated to the screen or to a printer, letting you know which disk has which files. PCBACKUP detects and uses, if present, the capabilities of the Deluxe Option Board to increase backup speed on unformatted diskettes by up to 40 percent. You can select groups of files in both PCHELL and PCBACKUP using your mouse. Specific portions of PC Tools can be installed to your hard disk, reducing disk usage. It will automatically look for and install popular programs (such as WordPerfect, Microsoft Word, dBASE and Lotus 1-2-3) into the PCHELL Application run list. PCSETUP also has options for installing files to a LAN server. Additional features include: A scientific calculator in DESKTOP (HP 11C compatible); ANSI, VT52 and VT100 terminal emulations in Telecommunications; DESKTOP spellchecker highlights misspelled words; PCSECURE overwrites old file for increased security; and DESKTOP supports COM3 and COM4 ports for Telecom and autodialer.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|-----------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 3.X | 5 1/4-inch disk | 512K | \$129.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2-inch disk | 512K | \$129.00 |
| IBM/MICROSOFT PC/MS-DOS 3.X | 3 1/2 and 5 1/4 | 512K | \$129.00 |

MULTISOFT CORP.

PC-KWIK POWER PAK (VER. 1.3)

ISPN 55741-600

A disk speed-up package which includes disk cache, print spooler, RAM disk utilities and PC-Kwik keyboard and screen accelerators.

PC-KWIK POWER PAK's spooler and RAM disk dynamically share cache memory to prevent wasting RAM due to over allocation. Allows cache in conventional, extended, or expanded memory up to 16 megabytes. Improves performance of hard disks, hard cards, diskettes, and some cartridge drives using advanced disk reading and writing techniques. Proves systems speed improvements of 200 percent to 1000 percent. The PC-Kwik keyboard and screen accelerators are used for total system speed-up.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 48K | \$129.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 48K | \$129.95 |

BLOC PUBLISHING CORP.

POPDROP

ISPN 07925-500

Allows the user to remove and replace RAM-resident programs without rebooting the system.

POPDROP works by dividing memory into up to sixteen layers, each of which may contain several programs. After loading DOS and permanent programs, RAM-resident programs are loaded with these layers between them, with the most permanent at the bottom and the least permanent at the top. The user can create batch files to remove layers one at a time, or several at once. It is possible to clear all memory or all layers with one command, freeing up the RAM those programs required. Enables the user to 'activate' and 'deactivate' programs in a specified layer of RAM that may conflict with another program being used. The programs remain intact, but stay out of the way until they are 'reactivated'. The first time POPDROP is executed, it records the status of the system in a small block of memory. After using RAM-resident and other programs, POPDROP can be run again to remove the RAM-resident programs and put things back

the way they were. Allows the user to remove network software like Novell. Fully supports expanded memory. Manages memory by using approximately 600 bytes for the first layer and 200 bytes for subsequent layers. Eliminates the need to reboot if the user wishes to reallocate RAM to other programs. Uses a small bit of memory to record system status items when loaded. The memory-resident programs are then loaded 'on top' of POPDROP, one at a time, with POPDROP in between each program. Enables the user to assemble multiple layers of RAM-resident programs. Includes documentation and an animated tutorial.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 48K | \$49.95 |

FIFTH GENERATION SYSTEMS, INC.

PYRO! (VER. 3.3)

ISPN 30787-600

Prevents screen burn-in damage by automatically darkening the screen if the computer is left unattended for a specified time.

PYRO! displays a realistic fireworks display, in monochrome or color, once the screen is dark. There is also a clock option which displays a roving clock instead of fireworks.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 20K | \$24.95 |

QUARTERDECK OFFICE SYSTEMS

QEMM-386 (VER. 4.2)

ISPN 64292-601

A high performance, low memory overhead EMS 4.0 expanded memory manager.

QEMM-386 provides expanded memory features, whether used inside or outside of DESQview (ISPN 64292-201), which give you the ability to convert all or part of your extended memory into expanded memory, run memory resident programs and software drivers in expanded memory, map the PC's slow ROMs into fast RAM memory, fill out any missing conventional memory to 640K, fill out any memory beyond 640K by mapping into unused video memory and automatically detect the speed of memory in order to use fast memory whenever possible. QEMM-386's DOS memory overhead is 1.5K. The system allows loading the Novell Network drivers into unused areas above 640K thus freeing up memory below 640K for other programs. QEMM-386 supports up to 32MB extended memory. Technical assistance available at (213)392-9701.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 1024K | \$59.95 |

WHITE PINE SOFTWARE, INC.

REGGIE (VER. 1.1)

ISPN 86315-600

Converts MacDraw, MacPaint and Clipboard images for output on DEC graphics terminals and laser printers.

Can be used to add color selection to Macintosh graphics. The results can then be displayed on DEC and DEC-compatible color graphics terminals. Provides enhanced color PIXEL capabilities and supports DEC's LJ250 color inkjet printer.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$149.00 |

INDIVIDUAL SOFTWARE, INC.

SMARTGUIDE FOR DOS (VER. 1.0)

ISPN 37275-710

Provides an on-line memory-resident reference guide to DOS commands, topics, and procedures.

Menu bars help access the different commands and topics that are needed by the user. Explanations provide user with complete information for working with each DOS command. On-screen windows give the information when and where it's needed. Also included are tips and tricks from DOS experts that help the user take advantage of more powerful features found in other software programs.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$29.95 |

STORAGE DIMENSIONS

SPEEDSTOR

ISPN 76392-700

A comprehensive set of DOS utilities for hard disk integration into IBM PC, AT, XT, PS/2 and compatibles.

SPEEDSTOR provides all the tools you need to install new generation disk drives into PCs while maintaining full PC/MS-DOS compatibility. With SPEEDSTOR you can configure your PC system with the mass storage needed to support today's sophisticated applications. SPEEDSTOR provides lookup tables of over 100 drives by manufacturer and model, and then overrides the PC drive-type table to sell all the drive parameters: Heads, cylinders, write precomp and landing zone. Unique configurations can also be entered manually. The integration utilities support the latest high performance drive interfaces, including RLL, ESDI and SCSI. SPEEDSTOR accommodates drives with up to 16 heads, up to 2,048 cylinders and all sectors per track values. At the user's option, single or multiple partitions of any size can be configured, so that file structures can be customized for specific applications. Logical sector size, allocation unit (cluster) size, number of FATs, number of root directories, read-only partitions and interleave factor can all be easily specified to optimize system performance. Up to 24 logical partitions are supported. Provides the capability to link up to 16 drives together in a single DOS partition. Using two 650MB drives, you can easily install 1,300MB of internal storage partitioned as a single DOS volume. Or in upgrade situations, you can merge the new drive as a transparent extension of the original hard disk. A special version of SPEEDSTOR is now available on 3 1/2-inch media to support the PS/2 Models 50, 60 and 80. A start-to-finish supervisory program is provided to walk you through the complete integration process. Simply type 'install', follow the instructions and select from the options provided. The program leads you step-by-step through an easy-to-follow series of menus. In most cases, appropriate selections are offered automatically. The comprehensive user manual provides thorough descriptions and instructions for utilizing the program's more advanced features. A series of helpful diagnostic tests is also included to assist in troubleshooting any problems encountered.

Functional tests of the drive and controller isolate hardware malfunctions from setup errors, quickly and easily. Additional functions allow you to burn-in and exercise the drive, locate media defects and lock out bad tracks without reformatting. With over 500,000 copies sold to date, SPEEDSTOR has become an industry standard in PC hard disk integration software.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$99.00 |

MULTISOFT CORP.

SUPER PC-KWIK (VER. 3.3)

ISPN 55741-700

Provides disk caching to improve disk speed and performance of PC's, PS/2s and 386 based machines.

SUPER PC-KWIK uses disk cache technology to improve the throughput of reading information from diskette, hard disk and some external cartridge drives. Also improves the throughput of writing to disks. An on-line command, from the keyboard or batch files, establishes the cache in either conventional, expanded or extended memory of up to 16 megabytes. Increases the amount of information that is written during each rotation to reduce the number of times the disk heads must move and allows the application to execute at the same time that disk writing is taking place. All benefits are provided without changing the format of the information on the disk and without delaying the writing of data to the disk. The program offers the most benefit to applications which access disks frequently such as database management systems, accounting packages, desktop publishing systems, CAD packages and inventory systems. Options are available in the program to allow users to tailor the product to their working environment.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 5 1/4-inch disk | 48K | \$79.95 |
| IBM/MICROSOFT PC/MS-DOS 2.1+ | 3 1/2-inch disk | 48K | \$79.95 |

SUPERMAC TECHNOLOGY

SUPERLASERSPOOL (VER. 2.0)

ISPN 77125-810

Allows users to go on to other applications while printing without waiting for the printing operation to be completed.

Captures QuickDraw-based files intact then manages all printing conversions in the background under MTE (Multi Tasking Executive). Creates compact spool files that are useable with floppy disks (some spoolers create files that are larger than will fit on a double-sided Macintosh floppy). Can spool at a rate of less than three seconds per page. The user can spool one document to an ImageWriter, change printer and spool another file to an AppleTalk ImageWriter, then change again, and spool another to a LaserWriter. Uses standard Apple resources to work with virtually all Macintosh applications. Works with all Apple printers.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 512K | \$149.95 |

Requirements: Single user. 800K disk drive.

POP COMPUTER PRODUCTS, INC.**UTILITIES!****ISPN 61558-790**

Features 18 programs for DOS-based or Tandy Deskmate systems.

UTILITIES! contains several programs. 'Retrieve' brings back files erased by mistake, 'Optimize' restores your hard disk to full speed, 'Cleanup' prunes dead files from your disk, 'Move' zips files from one location to another and 'Ckequip' displays vital information everyone must know about their computer. Also includes programs called 'Diskmap', 'Diskwipe', 'Filewipe', 'Disktest', 'Txtfind', 'Timer', 'Memory', 'SDIR', 'Whereis', 'Speedkey', 'Formfeed', 'Up' and 'Radix'.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 256K | \$49.95 |

TRAVELING SOFTWARE, INC.**VIEWLINK (VER. 1.00C)****ISPN 82540-800**

An associate access manager that links all programs and data. Provides power of indexing with text retrieval.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 384K | \$149.95 |
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2-inch disk | 384K | \$149.95 |

CONNECTIX**VIRTUAL (VER. 2.0)****ISPN 19071-100**

Provides access of up to 14 megabytes of internal memory using the transparent software retrofit to the existing operating system.

VIRTUAL breaks the eight megabyte barrier by accessing memory addresses normally reserved for expansion cards. Macintosh users with only one card installed, typically the video card, will be able to set their system to 14 megabytes of internal memory, or less, according to their needs. Adjustment of the virtual file size is accomplished through use of a new control panel device. This device also provides users with the ability to assign the volume (disk) where the virtual file will reside. A disk defragmentation utility is built-in to enable creation of the contiguous free space required for efficient file configuration. Once the VIRTUAL software is installed, the Macintosh, by rapid access to the hard disk drive, operates as though it had up to 14 megabytes of DRAM installed. Users can fully exploit memory hungry programs with MultiFinder, which allows dozens of applications to be open simultaneously; large databases, scientific programs, or HyperCard can be almost instantly available without quitting work in process.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|---|-----------------|---------------|--------------|
| APPLE MAC, II, +, SE, XL, IIX, IICX, IICI | 3 1/2-inch disk | 1024K | \$199.00 |

Requirements: Hard disk.

SNA, INC.**VPTOOLBOX (VER. 3.0)****ISPN 71621-820**

A utility program for Xerox Ventura Publisher (Ver. 1.1 and 2.0). Has superb file and style sheet management features.

VPTOOLBOX eliminates the problem of completely automating Ventura file management. Publications and chapters can be complex affairs, referencing many text and picture files scattered in different drives and directories on your computer. As a result, the task of managing and documenting these files can be overwhelming. Providing screen and printed output tells you at a glance where all those files belong and what they contain. VPTOOLBOX maintains a master catalogue of every publication, chapter and style sheet on your system. With the kind of power previously available only on mainframe computers, you can now access any Ventura file directly from this catalogue. With each entry in the catalogue, you can add descriptive information, including title, author and comments. Critical times and dates are stored and updated automatically. For your records, VPTOOLBOX can create a printed report of all catalogue entries. Ventura's style sheets make document layout easy. But style sheets and the tags within them tend to multiply like computerized bunnies. VPTOOLBOX locates the style sheet you want and displays or prints its contents in a form suitable for permanent documentation. Further, tags actually used are highlighted and tags may be deleted or copied to other style sheets. Performs tag-by-tag comparisons between style sheets, matching not only tag names but also their contents. Automatically creates a complete chapter, ready to print, containing a printed sample of every tag in a style sheet.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$99.00 |
| <i>Requirements: Xerox Ventura Publisher (Ver. 1.1 or 2.0) (ISPN 87075-101).</i> | | | |

SNA, INC.**VPTOOLBOX/ADVANCED (VER. 3.0)****ISPN 71621-830**

Completely automates Xerox Ventura Publisher file management. Provides screen and printed output telling you where files belong.

VPTOOLBOX/ADVANCED eliminates the problem of completely automating Ventura file management. Publications and chapters can be complex affairs, referencing many text and picture files scattered in different drives and directories on your computer. As a result, the task of managing and documenting these files can be overwhelming. Providing screen and printed output tells you at a glance where all those files belong and what they contain. VPTOOLBOX/ADVANCED maintains a master catalogue of every publication, chapter and style sheet on your system. With the kind of power previously available only on mainframe computers, you can now access any Ventura file directly from this catalogue. With each entry in the catalogue, you can add descriptive information, including title, author and comments. Critical times and dates are stored and updated automatically. For your records, VPTOOLBOX/ADVANCED can create a printed report of all catalogue entries. Has the ability to export this catalogue to any DBMS for sophisticated database applications. Ventura's style sheets make document layout easy. But style sheets and the tags within them tend to multiply like computerized bunnies. VPTOOLBOX/ADVANCED locates the style sheet you want and displays or prints its contents in a form suitable for permanent documentation. Further, tags actually used are highlighted and tags may be deleted or copied to other style

sheets. Performs tag-by-tag comparisons between style sheets, matching not only tag names but also their contents. Automatically creates a complete chapter, ready to print, containing a printed sample of every tag in a style sheet. Features global editing. With global editing, you can modify selected attributes of an entire style sheet in a single operation. For example, you can change every tag using the Swiss typeface to Palatino with one keystroke, or you can increase the leading (interline spacing) of every tag proportionally by 12 percent.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|--|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$149.00 |
| <i>Requirements: Xerox Ventura Publisher (Ver. 1.1 or 2.0) (ISP# 87075-101).</i> | | | |

XEROX CORP.

XEROX VENTURA PUBLISHER NETWORK SERVER (VER. 2.0) ISP# 87075-800

Allows you to publish using the local area network.

XEROX VENTURA PUBLISHER 2.0 NETWORK SERVER integrates the work of many people into one document, with each person sharing a centralized server-based version of Xerox Ventura Publisher. Eliminates redundant files, reduces storage requirements and allows users to share printers and work efficiently together on the same document. For additional information, contact the software publisher.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 5 1/4-inch disk | 640K | \$1295.00 |

XTREE CO.

XTREE (VER. 2.0) ISP# 30460-900

Simplifies file and directory handling by providing single keystroke commands to perform DOS functions.

XTREE is a powerful graphic file and directory management program. It is designed to simplify file and directory handling by providing single keystroke commands to access, delete, rename, view, move, list, or print any and all files within any and all directories on a floppy or hard disk. Users can instantly see a complete disk directory in one single display. Commands are clearly shown in the on-screen menu at all times. It's initial screen is organized into sections that display directories, subdirectories, files and valuable statistical information. Features include: on-screen menus, one keystroke commands, directory commands, ShowAll files, group file operations, maintain file organization while copying, file back-up, move files, rename while copying, file specifier, directory print functions, file display sorting, view file contents, statistical information, execute programs, instant screen updates, on-line help screens, easy-to-use manual, file attributes, and change volume name.

| SYSTEM | MEDIUM | MEMORY | PRICE |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 192K | \$69.95 |

XTREE CO.

XTREE PRO (VER. 1.0)

ISPN 30460-905

Provides an expanded level of disk, directory and file management for larger computer systems.

Helps organize complex disk file structures with the ability to log up to 26 drives into memory at one time. Conducts searches across all logged drives for a file. Provides file and directory handling through single keystroke commands to access, delete, rename, view, move, list, or print any and all files within any and all directories on a floppy and hard disk. Users can instantly see a complete disk directory in a single display. Commands are clearly shown in the on-screen menu at all times. The initial screen is organized into sections that display directories, subdirectories, files and valuable statistical information. Features include on-screen menus, one keystroke commands, directory commands and group file operations. Maintains file organization while copying. Includes file back-up. Moves and specifies files and executes programs. Performs directory print functions, file display sorting, view file contents and statistical information. Provides instant screen updates and on-line help screens. Includes easy to use manual, file attribute security and a DOS command shell. Not copy protected.

SYSTEM

IBM/MICROSOFT PC/MS-DOS 2.1+

MEDIUM

3 1/2 and 5 1/4

MEMORY

256K

PRICE

\$129.00

XTREE CO.

XTREEMAC (VER. 1.02)

ISPN 30460-800

An integrated disk manager that combines file management and file undelete.

XTREEMAC provides a tree-view of data on any volume. Also enhances the Finder by providing power and flexibility to the user who is able to work with multiple files, folders or applications from multiple volumes simultaneously. Also includes extensive find/launch, sorting of files and facility for customizing menu to open common applications or files. Also prints labels.

SYSTEM

APPLE MAC, II, +, SE, XL, IIX, IICX, IICI

MEDIUM

3 1/2-inch disk

MEMORY

512K

PRICE

\$99.00

Requirements: System (Ver. 4.2), Finder (Ver. 5.3).

XTREE CO.

XTREENET (VER. 1.0)

ISPN 30460-920

Simplifies file and directory management, disk organization and network installation.

XTREENET simplifies disk management for network supervisors and users. The visual XTREENET directory display makes it easy to get an overview of a disk's structure and file organization. Simple keystrokes allow you to locate, copy, delete, move, rename, print and view files in one or more directories or one or more disks simultaneously. Offers a text editor and the ability to log multiple disks across servers and workstations. Supports all network access security features, directory mapping, file attributes and file locking. Supports six authorized users on a single file server. Provides additional security by enabling the supervisor to determine which functions are available to each

authorized workstation user. Protects system and hidden files by allowing the supervisor to prevent them from being displayed or operated upon. Displays only files and directories to which the user has access rights. All others remain invisible. Supervisors can configure XTREENET's capabilities for each authorized user, tailoring the program's power to meet the needs and abilities of each user, even for each directory. XTREENET simplifies network installation by speeding up the process of installing directories and copying files onto the server. Supports CGA. Available in single and multi-user versions. For technical assistance call (800)634-5545. In California call(800)551-5353.

| <u>SYSTEM</u> | <u>MEDIUM</u> | <u>MEMORY</u> | <u>PRICE</u> |
|------------------------------|-----------------|---------------|--------------|
| IBM/MICROSOFT PC/MS-DOS 2.0+ | 3 1/2 and 5 1/4 | 256K | \$395.00 |

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